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MORON AB, MORON, SPAIN. REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)  
MAY 72

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**USAFETAC/DS-80/087**

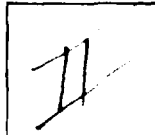
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*MORON AB*

*4686*

DATA PROCESSING DIVISION

USAFETAC

Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

MORON AB SPAIN WBAN # 13024  
N 37 11 W 005 36 ELEV 307 FT LEMO WMO # 08397

PARTS A-F  
POR FROM HOURLY OBS JAN 58-DEC 70  
POR FROM DAILY OBS JAN 58-DEC 70

MAY 12 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

AD A088961

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UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-80/087	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Moron AB, Moron, Spain It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	



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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
    \* Spain                      \*\* Moron AB, Moron, Spain
20. and dew point temperatures and relative humidity); and (F) Pressure  
    Summary (means, standard, deviations, and observation counts of  
    station pressure and sea-level pressure). Data in this report are  
    presented in tabular form, in most cases in percentage frequency of  
    occurrence or cumulative percentage frequency of occurring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

DATA PROCESSING DIVISION  
USAFETAC OL-1  
AIR WEATHER SERVICE (MAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS:

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
13024	MORON AB SPAIN	N 37 11	W 005 36	307	LFMO	08397

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1	Moron AB Spain	AB	Jan 58	Feb 58	N 37 10	W 005 34	296	341	8
2	No Change	AB	Mar 58	Jun 62	N 37 11	W 005 36	306	No Chge	24
3	No Change	AB	Jul 62	Feb 67	No Change	No Change	No Chge	272	24
4	No Change	AB	Mar 67	Mar 70	No Change	No Change	307	No Chge	24
5	No Change	AB	Apr 70	Dec 70	No Change	No Change	No Chge	No Chge	8 to 16

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan-Feb 58	Hand held on Catwalk of Control Tower.	ML-433PM	None	66 Ft	
2	Mar 58 to Feb 60	Located on top of Control Tower Cab.	AN/GMQ-1	None	75 Ft	
3	Mar 60 to Feb 61	Located on Catwalk of Control Tower.	No Change	None	91 Ft	
4	Mar 61 to 28 Jan 62	Located on top of Control Tower.	No Change	ML-204B (Panel)	370 Ft	
5	29 Jan 62 to Jun 62	Located near touchdown Point of Rwy 21.	AN/GMQ-1	None	9 Ft	
6	Jul 62 to Dec 70	Located 1000 ft down and 500 ft to left of touchdown point of Instrument Rwy.	No Change	RO-2	12 Ft	

NUMBER OF LOCATION	DATE CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Mar 9 to	1. No Change	No Chge	No Chge	No Chge	
	Se 70	2. No Change	No Chge		No Chge	
	Oct 70 to	1. No Change	No Chge	KO-362	22.5Ft	
	De 70	2. No Change	No Chge		13 Ft	

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ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE / IAG

## WEATHER CONDITIONS

13024 STATION NAME: MADRID AB, SPAIN 58-70 YEARS ALL MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.2	10.1				10.1	6.3	2.9			8.9	9097
FEB		.2	9.9				9.9	3.6	1.8			4.8	8288
MAR		.3	8.2				8.2	2.1	2.9			4.7	9522
APR		.4	4.6				4.6	1.2	2.1			3.1	9001
MAY		.5	3.7				3.7	.6	1.6			2.1	9165
JUN		.4	1.8				1.8	.5	1.6			1.9	8842
JUL		.1	.3				.3	.2	1.6			1.7	9105
AUG		.1	.4				.4	.2	.6			.7	9112
SEP		.4	1.8				1.8	.4	1.3			1.5	8814
OCT		.4	5.7				5.7	1.4	.8			2.0	9117
NOV		.3	9.5			.0	9.5	3.5	1.6			4.6	8789
DEC		.4	9.6		.0		9.6	6.3	1.9			7.9	9106
TOTALS		.3	5.5		.0	.0	5.5	2.2	1.7			3.7	107958

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USAF ETAC  
AIR WEATHER SERVICE / IAC

## WEATHER CONDITIONS

13024  
STATION

MIPU Ab SPAIN  
STATION NAME

58-70  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02	.2	10.2				10.2	8.2	3.4			11.3	1116
	03-05	.3	10.8				10.8	10.8	3.5			13.9	1116
	06-08	.2	9.1				9.1	11.7	4.0			15.2	1138
	09-11	.2	9.4				9.4	8.1	4.7			12.3	1179
	12-14	.1	10.2				10.2	2.5	2.5			5.0	1179
	15-17	.4	10.4				10.4	1.5	.8			2.3	1137
	18-20	.1	10.2				10.2	3.3	1.4			4.7	1116
	21-23	.1	10.5				10.5	3.9	2.9			6.7	1116
TOTALS		.2	10.1				10.1	6.3	2.9			8.9	9097



2

DATA PROCESSING DIVISION  
USAF ETAS  
AIR WEATHER SERVICE/ AC

## WEATHER CONDITIONS

14024  
STATIONBUKIN AB SPAIN  
STATION NAME

58-70

YEARS

PER  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Feb	00-02	.1	8.8				8.8	3.8	2.7			5.4	1014
	03-05		9.4				9.4	6.5	2.6			8.2	1016
	06-08	.3	10.6				10.6	8.2	3.2			9.9	1038
	09-11	.1	10.2				10.2	3.8	2.4			9.7	1078
	12-14	.3	12.8				10.8	1.9	1.0			2.7	1080
	15-17	.2	10.7				10.7	1.1	.4			1.5	1034
	18-20	.1	9.7				9.7	1.1	.8			1.7	1014
	21-23	.2	9.0				9.0	2.0	1.5			3.2	1014
TOTALS		.2	9.9				9.9	3.6	1.8			4.8	8288

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

## WEATHER CONDITIONS

12024 STATION NAME MIKE AB SPAIN

58-72

YEARS

AR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		8.3				8.3	1.4	3.7			4.9	1197
	03-05	.3	8.2				8.2	4.3	3.4			9.4	1197
	06-08	.2	7.3				7.3	7.1	3.3			11.6	1197
	09-11	.1	6.3				6.3	2.7	4.0			6.3	1197
	12-14	.1	9.2				9.2	.4	1.0			1.4	1197
	15-17	.4	10.1				10.1	.1	.6			.7	1183
	18-20	.3	8.4				8.4	.4	1.1			1.5	1178
	21-23	.2	8.0				8.0	.3	1.7			2.0	1176
TOTALS		.3	8.2				8.2	2.1	2.9			4.7	9522

2

DATA PROCESSING DIVISION  
USAF LTAF  
AIR WEATHER SERVICE/420

## WEATHER CONDITIONS

13024  
STATIONMORON AB SPAIN  
STATION NAME

58-70

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
APR	00-02	.3	5.2				5.2	1.1	1.9			3.0	1146
	03-05	.1	5.1				5.1	2.2	2.9			4.8	1146
	06-08	.1	4.1				4.1	3.6	6.3			8.5	1149
	09-11	.2	4.3				4.3	.9	2.3			3.0	1149
	12-14	.2	4.7				4.7	.2	1.0			1.2	1148
	15-17	.9	5.9				5.9	.5	.5			1.1	1103
	18-20	1.0	4.8				4.8	.3	.3			.6	1080
	21-23	.3	2.7				2.7	.6	1.9			2.4	1080
TOTALS		.4	4.6				4.6	1.2	2.1			3.1	9001

2

DATA PROCESSING DIVISION  
USAF ETAG  
AIR WEATHER SERVICE/AC

## WEATHER CONDITIONS

13024  
STATION

MURDO AB SPAIN

STATION NAME

58-70

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.2	3.2				3.2	.8	1.8			2.6	1140
	03-05	.4	3.9				3.9	2.0	3.9			5.5	1140
	06-08		3.4				3.4	1.8	3.2			4.7	1165
	09-11	.4	3.5				3.5	.1	1.0			1.1	1176
	12-14	.7	4.0				4.0	.1	.1			.2	1176
	15-17	1.2	4.2				4.2		.2			.2	1137
	18-20	.6	3.5				3.5		.5			.5	1116
	21-23	.2	3.5				3.5	.1	1.9			2.0	1115
TOTALS		.5	3.7				3.7	.6	1.6			2.1	9165

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE AC

## WEATHER CONDITIONS

13024  
STATION

100TH AB SPAIN  
STATION NAME

58-70  
YEARS

JULY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JULY	00-02	.5	1.0				1.0	.1	1.9			1.9	1050
	03-05	.3	1.0				1.0	1.0	4.0			4.6	1080
	06-08	.4	1.8				1.8	2.0	4.4			5.8	1124
	09-11	.2	3.1				3.1	.2	1.1			1.3	1146
	12-14	.3	3.0				3.0	.2	.2			.3	1147
	15-17	.4	2.0				2.0						1105
	18-20	.0	1.6				1.6	.2				.2	1080
	21-23	.6	.6				.6		.9			.9	1080
TOTALS		.4	1.8				1.8	.5	1.6			1.9	8842

1  
2  
DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

## WEATHER CONDITIONS

13024 1050 AB SPAIN  
STATION STATION NAME

58-70

YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.3	.4				.4	.1	1.7			1.7	1116
	03-05	.3	.4				.4	.4	4.8			4.3	1116
	06-08		.2				.2	1.0	4.3			4.7	1136
	09-11		.2				.2	.1	1.2			1.3	1182
	12-14												1182
	15-17	.1	.3				.3						1139
	18-20	.2	.3				.3						1116
	21-23	.1	.2				.2		.9			.9	1116
TOTALS		.1	.3				.3	.2	1.6			1.7	9105

2

ATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/ AC

# WEATHER CONDITIONS

13024 STATION MIAMI AB SPAIN 58-70 YEARS AUG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02		.4				.4		.5			.5	1118
	03-05		.3				.3	.2	1.3			1.5	1116
	06-08		.8				.8	1.1	1.8			2.7	1140
	09-11		.5				.5		.8			.8	1183
	12-14	.2	.2				.2						1180
	15-17	.1	.3				.3						1142
	18-20	.3	.4				.4		.1			.1	1117
	21-23		.1				.1		.3			.3	1116
TOTALS		.1	.4				.4	.2	.6			.7	9112

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## WEATHER CONDITIONS

13024  
STATIONMUR AB SPAIN  
STATION NAME

58-70

YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.3	2.0				2.0	.2	1.5			1.6	1080
	03-05	.4	2.2				2.2	1.0	4.1			4.3	1080
	06-08		2.6				2.6	1.8	3.4			4.3	1101
	09-11		2.0				2.0	.3	1.0			1.1	1143
	12-14	.6	1.4				1.4	.1	.2			.3	1143
	15-17	.8	1.4				1.4						1105
	18-20	.6	1.8				1.8						1082
	21-23	.2	1.3				1.3		.4			.4	1080
TOTALS		.4	1.8				1.8	.4	1.3			1.5	8814



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/40

## WEATHER CONDITIONS

13024 MURU AB SPAIN  
STATION STATION NAME

58-70  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.1	4.2				4.2	1.1	.9			1.7	1117
	03-05	.1	4.9				4.9	3.0	1.2			4.5	1117
	06-08	.2	4.9				4.9	4.0	.9			4.7	1138
	09-11	.2	4.8				4.8	1.3	.5			1.0	1184
	12-14	.7	5.7				5.7	.1				.1	1182
	15-17	1.0	8.7				8.7	.3	.2			.4	1146
	18-20	.8	6.5				6.5	.4	.7			1.2	1117
	21-23	.3	6.0				6.0	.8	1.0			1.5	1116
TOTALS		.4	5.7				5.7	1.4	.8			2.0	9117

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

## WEATHER CONDITIONS

13024 MURK AB SPAIN  
 STATION STATION NAME

58-70  
 YEARS

NOV  
 MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02	.2	8.7				8.7	3.7	1.9			4.6	1076
	03-05	.3	7.9				7.9	6.2	2.4			7.8	1077
	06-08		8.0				8.0	8.6	3.1			10.7	1101
	09-11		8.3				8.3	4.7	1.7			6.2	1138
	12-14	.7	10.3				10.3	1.1	.5			1.6	1136
	15-17		11.1				11.1	.6	.5			1.2	1101
	18-20	.5	11.9			.1	11.9	.9	1.4			1.9	1080
	21-23	.7	9.4				9.4	2.0	1.0			2.7	1080
TOTALS		.3	9.5			.0	9.5	2.5	1.6			4.6	8789

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/46C

## WEATHER CONDITIONS

13024 STATION USAF AB SPAIN STATION NAME 28-70 YEARS FC MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.5	9.9				9.9	7.4	2.2			9.5	1116
	03-05	.3	9.5				9.5	10.3	2.3			12.5	1116
	06-08	.2	10.1				10.1	12.1	2.2			13.6	1139
	09-11	.4	9.6				9.6	7.9	2.5			9.7	1183
	12-14	.7	10.2				10.2	2.2	1.3			3.4	1177
	15-17	.4	9.7		.1		9.7	2.5	1.2			3.3	1142
	18-20	.2	9.8				9.8	2.6	2.3			4.7	1117
	21-23	.3	8.1				8.1	5.1	1.4			6.4	1116
TOTALS		.4	9.6		.0		9.6	6.3	1.9			7.9	9106

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

XXXXXX WEATHER CONDITIONS XXXXXX  
XXXXXX ATMOSPHERIC PHENOMENA XXXXXX

13024 UNID AM SPAIN 58-70 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	1.0	38.7			.3	38.7	29.6	19.1			34.9	372
FEB		0.3	40.7			1.2	40.7	20.9	12.4			24.5	330
MAR		0.1	39.5			.3	39.5	15.8	17.3			23.5	392
APR		1.5	30.6			.6	30.6	11.1	14.2			20.3	360
MAY		0.7	22.0			.3	22.0	6.5	12.1			14.0	372
JUN		0.1	13.9				13.9	4.2	11.1			12.2	360
JUL		1.1	2.7				2.7	2.4	10.8			10.8	372
AUG		.0	5.1				5.1	1.9	3.8			4.8	372
SEP		0.1	19.7			.3	19.7	4.4	8.6			9.7	360
OCT		0.2	32.0			.3	32.0	10.8	7.0			13.4	372
NOV		4.5	40.7			.3	40.7	22.3	11.6			26.0	354
DEC		0.0	38.7		.3	.5	38.7	30.4	18.8			34.9	372
TOTALS		4.9	27.0		.0	.3	27.0	13.4	12.2			19.1	4397

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

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DATA PREPARED BY  
U.S. AIR FORCE  
ATMOSPHERIC DATA CENTER

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

13324

50-74

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	51.3	4.1	2.4	0.9	3.0	7.3	1.8	1.1	2.0	0.4				2.1	177	3.4	5.2	0.0
FEB	50.0	0.0	2.1	0.7	1.0	9.4	1.0	1.0	2.0					2.0	130	3.2	5.0	0.0
MAR	51.4	0.0	3.0	0.7	3.0	7.5	1.0	1.0	1.5					2.1	161	2.4	5.3	0.0
APR	51.3	0.0	1.6	0.0	3.1	3.3	1.4	2.0	1.4					2.0	150	1.7	5.4	0.3
MAY	77.6	0.0	1.0	0.0	1.0	0.7	1.0	2.4	0.0					1.4	122	1.0	5.7	0.0
JUN	74.4	0.0	1.0	1.0	1.1	1.0	1.0	0.9	0.0					0.0	0	0.5	5.3	0.0
JUL	74.4	0.0	0.0	1.0				0.0						1.0	100	1.0	5.2	0.0
AUG	34.7	0.0		0.0	0.0	0.0								2.1	161	0.0	5.2	0.0
SEP	71.3	1.0	0.0	2.0	1.4	2.2	1.1	1.1	0.0					0.7	100	0.0	5.2	0.0
OCT	65.0	0.0	0.0	0.0	4.1	6.0	4.7	0.8	2.3					0.0	141	3.0	5.1	0.1
NOV	57.5	1.0	2.3	0.0	3.0	7.3	0.0	4.0	0.0					0.0	100	3.8	5.7	0.0
DEC	61.2	0.0	1.0	0.0	4.3	5.6	0.0	6.0	1.0					1.4	172	3.6	5.6	0.7
ANNUAL	71.7	1.0	1.0	0.6	0.5	4.5	4.1	3.0	1.9	0.0	0.0			2.0	4230	24.6		

2

DATE OF REPORT: 1-1-74  
 STATION: 1-1-74  
 YEAR: 1-1-74

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

STATION: 1-1-74 STATION NAME: 1-1-74 YEARS: 1-1-74

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														172	0.0	0.0	0.0
FEB	100.0														172	0.0	0.0	0.0
MAR	100.0														172	0.0	0.0	0.0
APR	100.0														172	0.0	0.0	0.0
MAY	100.0														172	0.0	0.0	0.0
JUN	100.0														172	0.0	0.0	0.0
JUL	100.0														172	0.0	0.0	0.0
AUG	100.0														172	0.0	0.0	0.0
SEP	100.0														172	0.0	0.0	0.0
OCT	100.0														172	0.0	0.0	0.0
NOV	100.0														172	0.0	0.0	0.0
DEC	99.7	0.3													172	TRACE	TRACE	0.0
ANNUAL	100.0	0.3													4352	0.0	X	X



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DATA PREPARED BY: [illegible]  
 DATE: [illegible]  
 AIRCRAFT: [illegible]

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible]

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0																	
FEB	100.0																	
MAR	100.0																	
APR	100.0																	
MAY	100.0																	
JUN	100.0																	
JUL	100.0																	
AUG	100.0																	
SEP	100.0																	
OCT	100.0																	
NOV	100.0																	
DEC	100.0																	
ANNUAL	100.0														4352			

# EXTREME VALUES

ADDITIONAL  
FROM DAILY OBSERVATIONS

STATION  
STATION NAME  
YEARS

EXTREME VALUES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				1.15	.42	.02	.03	.10	TRACE	.3	1.22	1.61	
2	.11	.07	.35	.35	2.03	TRACE	TRACE	TRACE	.04	.04	.09	.50	2.01
3	.10	.06	.09	1.12	1.70	.27	TRACE	TRACE	.17	.11	.74	.32	2.11
4	.05	.02	.59	.50	1.81	.05	.02	.00	.51	.23	1.04	1.33	1.04
5	.07	.01	1.27	.30	.75	.02	.00	TRACE	.06	.03	.05	5.16	5.16
6	.07	.02	.67	1.20	.61	1.05	.00	.00	.50	.03	1.07	1.05	1.07
7	.04	1.09	2.09	.02	1.31	.12	.02	.00	.20	.14	.04	.72	2.09
8	.03	1.05	1.21	.25	TRACE	.60	.00		1.15	1.41	.04	.01	
9	.04	1.06	.03	.91	.28	.33	TRACE	.05	.21	1.64		.17	
10	.07	.71	.67	.48	.44	.49	.03	TRACE	.01			.93	
11	.00	.07	.45	1.32	.31	.30	TRACE	.16	.07	.73	1.08	1.13	1.08
12	1.22	0.03	1.25	.64	.64	.71	TRACE	.04	.02	1.67	1.00	.70	1.67
13	.05	.81											
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	.34	.70	.88	.80	.79	.38	.06	.04	.35	1.18	1.22	1.16	2.30
S. D.	.714	.560	.559	.386	.596	.324	.177	.063	.368	.701	.451	1.322	1.174
TOTAL OBS.	372	339	341	360	372	360	372	341	360	341	300	372	4236

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ATL. PR. STATION  
STATION  
STATION NAME

# EXTREME VALUES

PRECIPITATION  
FROM DAILY OBSERVATIONS

STATION 13000 STATION NAME STATION 50-70 YEARS

24 HOUR MAXIMUM 1 INCHES  
/FASTEST LESS THAN FULL MONTH/

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1			1.02										PRECIPITATION
2													PRECIPITATION
3													PRECIPITATION
4											1.6		PRECIPITATION
5											23		PRECIPITATION
6										1.22	.78		PRECIPITATION
7										36	46		PRECIPITATION
8			.62	.44	.23	.31	.1	.01	.01	.52	.48	.67	PRECIPITATION
9			21	24	25	21	22	21	22	22	14	21	PRECIPITATION
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S D													
TOTAL OBS													

2262

STATION	STATION NAME
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31-7-

YEARS

ALL  
FROM DAILY OBSERVATIONS

[illegible]

USAF ETAC FORM 0-88-5 (OLI)

## EXTREME VALUES

1. General Information

STATION	STATION NAME
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85-71

VFAS

14-00000  
 14-00000

[illegible]

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## EXTREME VALUES

FROM DAILY OBSERVATION

STATION NAME

SR-72

YEARS

JULY 5 - DECEMBER 1 1967

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	372	339	341	360	372	360	372	372	360	372	360	372	4352

0  
2  
1  
1111  
1  
2

ATL DR 155100 - 155100  
SAFETY  
CIR 155100 - 155100

# EXTREME VALUES

155100 STATION  
STATION NAME

58-71

YEARS

FROM DAILY OBSERVATIONS

DAILY 155100 - 155100  
BASED ON LESS THAN FULL MONTHLY

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	21	21	22	23	23	23	22	24	22	22	21	21	21
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S D													
TOTAL OBS.													

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.



4444

ATA PROPOSED 10000  
ATA 10000  
ATA 10000 10000

## EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION	STATION NAME
---------	--------------

52-7.

YEARS

ONLY 10% OF GUESTS IN 1975

[illegible]

III

AT 03 000000 1000  
ZNY  
FM 03 000000 1000

STATION	STATION NAME
---------	--------------

1207

YEARS

## EXTREME VALUES

FROM DAILY OBSERVATIONS

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED DATE 05-11-95 BY 60320 BJA/STP/STP

[illegible]

2

DATA PROCESSING DIVISION  
 USAF/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION NAME 58-70 CLASS ALL WEATHER MONTH ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.5	.1	.0	.0						3.6	5.1
NNE	1.0	1.5	.9	.2	.0	.0						3.7	5.4
NE	.4	1.9	1.8	.7	.1	.0						5.5	7.7
ENE	.7	1.3	1.4	.6	.1	.0						4.8	7.1
E	1.1	1.4	1.1	.5	.1	.0						4.1	5.5
ESE	1.5	.9	.5	.3	.1	.0	.0	.0				3.3	5.5
SE	1.2	.7	.4	.1	.0	.0	.0					2.4	4.7
SSE	.8	.7	.3	.1	.0	.0						1.7	5.7
S	1.5	3.7	2.7	1.3	.3	.1	.0	.0	.0			9.6	7.4
SSW	1.1	3.1	3.2	1.8	.4	.1	.0	.0				9.5	8.4
SW	.0	2.5	3.3	2.7	.6	.2	.1	.0	.0			10.4	9.6
WSW	.7	2.1	3.4	2.9	.5	.1	.0	.0	.0			9.6	9.6
W	.0	2.1	2.5	1.6	.2	.1	.0	.0	.0			7.3	8.4
WNW	.4	.9	.6	.2	.0	.0	.0	.0				2.1	6.1
NW	.4	.6	.3	.1	.0	.0						1.5	5.6
NNW	.4	.6	.3	.1	.0	.0						1.3	5.2
VARBL	1.5	1.1	.1	.0	.0							2.7	3.7
CALM												18.7	
	15.0	26.4	23.5	13.2	2.3	.6	.2	.0	.0			100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 107956

2

AT PROGRESS - LINDEN  
 1715 705W  
 715 1005W

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

14024

LINDEN, MISSISSIPPI

56-70

1961

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	.5	.2								3.4	4.9
NNE	1.4	2.5	1.4	.3	.0							5.5	5.6
NE	1.3	3.2	2.5	.9	.0							7.8	6.6
ENE	1.1	2.0	2.1	.7	.1	.0						5.8	6.9
E	1.5	2.4	1.3	.7	.1	.0						6.0	5.2
ESE	1.9	1.5	.6	.3	.0	.0	.0					4.5	5.2
SE	1.3	1.0	.4	.1	.0							2.8	4.7
SSE	.7	.6	.3	.1	.0							1.7	5.3
S	1.1	2.8	2.4	2.1	.7	.2	.1					9.3	9.0
SSW	.6	2.2	2.8	2.3	.7	.3	.1					8.9	9.9
SW	.5	1.6	2.2	2.2	.9	.3	.1	.0				7.7	10.7
WSW	.3	1.1	1.7	1.8	.5	.1	.0					5.6	10.4
W	.6	1.2	1.3	1.0	.2	.0	.0					4.4	8.5
WNW	.5	.5	.3	.2	.1	.0						1.8	7.0
NW	.4	.5	.2	.0	.0							1.0	5.1
NNW	.4	.4	.1	.0								.9	4.7
VARBL	.9	.3										1.2	2.9
CALM												21.7	
	15.5	29.1	20.1	12.8	3.4	1.0	.3	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

9097

2

ATA PROCESSING DIVISION  
 STAG/USAF  
 AIR WEATHER SERVICE/AL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15-24 STATION NAME UNIT 18 DRAIN YEARS 58-70 MONTH ALL  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	.5	.1	.0							2.9	4.6
NNE	1.4	1.7	1.2	.2	.0							4.5	5.3
NE	1.4	2.7	3.1	1.3	.2	.0						8.8	7.3
ENE	.6	1.8	1.7	.7	.1	.1						5.3	7.1
E	1.2	1.8	1.2	.5	.1							4.7	5.3
ESE	1.0	1.2	.3	.3	.0							3.4	4.8
SE	1.0	.7	.3	.1	.0							2.7	4.6
SSE	.7	.7	.5	.1	.0	.0						2.0	5.4
S	1.2	3.3	3.2	2.0	.6	.3	.1	.0				10.6	8.8
SSW	.7	2.3	2.7	2.9	.9	.4	.1	.0				9.9	10.5
SW	.7	1.7	2.8	2.3	.9	.7	.2					9.3	11.1
WSW	.4	1.5	2.3	1.5	.5	.3	.0					6.8	10.0
W	.5	1.3	1.7	.7	.0	.0	.0					4.2	7.8
WNW	.3	.6	.2	.2	.0							1.3	6.5
NW	.4	.3	.1	.1								.7	5.1
NNW	.3	.4	.2	.0	.0							1.0	5.2
VARBL	1.2	.5										1.7	3.0
CALM												20.1	
	15.5	23.7	22.1	13.1	3.4	1.7	.4	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 8288

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024      NORTH SPAIN      58-70      58

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      CLASS

CONDITION

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.4	.1	.0							7.4	5.0
NNE	1.2	1.5	.8	.2	.0							3.7	5.2
NE	.9	1.0	2.0	1.1	.1							5.8	7.5
ENE	.7	1.4	1.7	1.1	.2							5.1	6.2
E	1.0	1.4	1.3	1.1	.1	.0						4.9	7.6
ESE	1.1	1.1	.6	.5	.1	.1	.1	.0				3.7	7.4
SE	1.1	.8	.3	.2	.0	.0						2.4	5.3
SSE	.6	.7	.3	.1	.0							1.5	5.2
S	1.4	3.7	2.3	1.3	.5	.1	.0					9.4	7.6
SSW	.9	3.0	2.7	1.8	.4	.1						9.0	8.4
SW	.7	2.5	4.1	3.0	1.0	.3	.0					11.5	10.1
WSW	.6	2.2	2.9	2.5	.7	.2	.0					9.1	9.8
W	.7	2.0	2.1	1.4	.2	.1						6.3	8.4
WNW	.4	1.0	.6	.3	.0	.0						2.3	6.6
NW	.4	.7	.5	.1								1.7	6.0
NNW	.4	.5	.4	.1								1.4	5.6
VARBL	1.4	1.0										2.4	3.4
CALM												16.8	
	14.4	26.4	23.0	14.9	3.4	.8	.2	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS      9520

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 STATION NAME MORE AB SPAIN YEARS 58-70 MONTH ALL  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.7	.2	.0	.0						2.7	5.8
NNE	.8	1.3	1.1	.4	.0							3.7	6.5
NE	.9	2.0	2.2	.9	.5	.1						6.6	8.2
ENE	.6	1.3	1.4	.6	.1							4.0	7.1
E	1.0	1.1	.8	.4								3.3	5.8
ESE	1.3	.7	.3	.2								2.5	4.5
SE	1.3	.6	.2	.1	.0							2.1	4.2
SSE	.8	.7	.3	.1	.0							1.9	4.5
S	1.9	4.7	2.8	1.1	.2	.0						10.7	6.5
SSW	1.6	4.0	3.3	1.4	.5	.1						10.8	7.5
SW	1.3	3.3	3.4	2.6	.6	.2						11.3	8.7
WSW	.8	2.2	3.2	3.0	.6	.1	.0					9.9	9.5
W	.8	2.1	2.2	1.4	.3	.0						6.9	8.3
WNW	.5	1.0	.6	.2	.0							2.4	6.3
NW	.4	.6	.5	.2								1.6	6.3
NNW	.4	.5	.3	.1								1.3	5.5
VARBL	1.3	1.0										2.3	3.4
CALM												15.9	
	16.4	28.2	23.3	12.8	2.9	.5	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 9001

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

FORD AB SPAIN

58-70

DAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.5	.1								2.4	5.1
NNE	.6	1.5	.8	.1	.0							3.3	5.5
NE	.6	1.6	1.5	.6	.1	.0						4.4	7.3
ENE	.4	1.0	1.0	.4	.1	.0						2.9	7.3
E	.9	1.1	1.2	.4	.1	.0						3.7	6.9
ESE	1.2	.6	.4	.3	.1	.0	.0					2.7	5.6
SE	1.1	.8	.4	.2	.0							2.5	4.9
SSE	.7	.8	.2	.1								1.7	4.6
S	1.4	3.9	2.5	1.1	.1	.1	.0					9.2	7.0
SSW	1.6	3.9	3.3	1.7	.2	.1	.0					10.9	7.4
SW	1.1	2.9	4.3	3.6	.7	.1	.0					12.7	9.3
WSW	.9	2.4	4.3	3.2	.5	.1	.0					11.3	9.2
W	.8	2.4	2.6	1.7	.3							7.8	8.2
WNW	.4	1.1	.8	.1								2.4	6.1
NW	.5	.6	.6	.1		.0						1.8	6.1
NNW	.3	.5	.4	.1								1.3	5.7
VARBL	1.9	1.3										3.2	3.3
CALM												15.9	
	15.6	27.4	24.8	13.7	2.1	.4	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

9165



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11024 STATION NAME NORTH AB SPAIN YEARS 56-70 MONTH JULY  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.5	.1								2.2	5.4
NNE	.0	1.0	.5	.1								2.2	5.4
NE	.4	1.2	1.1	.3	.1							3.1	7.1
ENE	.6	1.1	.8	.4								2.7	6.8
E	.0	1.0	.9	.4	.1	.0						3.0	7.1
ESE	.7	.5	.4	.4	.1							2.3	6.6
SE	.0	.5	.4	.2	.0							1.9	5.4
SSE	.0	.7	.2	.1								1.0	4.4
S	2.0	4.0	2.4	.7	.1	.0						9.1	6.0
SSW	1.0	3.9	3.7	1.0	.4	.0						11.2	7.5
SW	1.1	3.2	4.5	3.1	.6	.1						12.6	8.9
WSW	.7	2.8	4.8	3.9	.9	.1						13.4	9.6
W	.8	2.3	3.6	2.6	.4	.0						9.7	9.0
WNW	.5	1.0	.9	.2								2.6	6.2
NW	.4	.6	.3	.1	.0							1.4	5.6
NNW	.4	.5	.4	.0								1.2	5.5
VARBL	2.2	1.6	.1									3.9	3.4
CALM												15.8	
	14.9	26.7	25.5	14.1	2.6	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 8842

DATA PROCESSING DIVISION  
 JTAC/USAF  
 AIR WEATHER SERVICE/JAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 MORDAN SPAIN

58-70

STATION

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	.5	.1	.0							2.5	5.1
NNE	.6	1.0	.5	.2								2.2	5.7
NE	.6	1.0	.7	.1	.0							2.4	6.0
ENE	.4	.7	.6	.1	.0							1.9	6.4
E	.6	.9	.6	.3								2.4	6.0
ESE	1.6	.6	.4	.2	.0							2.9	4.7
SE	.9	.8	.4	.2	.0		.0					2.3	5.4
SSE	.6	.8	.3	.1								1.8	4.8
S	1.4	4.0	2.7	.5	.0							8.7	6.1
SSW	.9	3.9	3.8	1.3	.1							9.9	7.3
SW	.9	3.5	3.3	3.1	.4							13.3	8.6
WSW	.6	2.7	6.3	4.0	.4	.0						14.0	9.3
W	.7	3.1	4.3	2.8	.3	.0						11.4	8.6
WNW	.5	1.1	.8	.2	.0							2.6	6.1
NW	.5	.7	.4	.1								1.7	5.3
NNW	.4	.7	.3	.1		.0						1.5	5.3
VARBL	2.4	2.2	.2									4.8	3.7
CALM												13.5	
	14.4	28.8	28.3	13.4	1.3	.0	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

9105

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024  
 STATION

MURDOCK AB SPAIN  
 STATION NAME

59-70  
 YEARS

ALL WEATHER  
 CLASS

CONDITION

ALL  
 MONTH  
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.4	.1								2.5	4.8
NNE	.8	.8	.6	.0	.0							2.2	5.2
NE	.8	1.0	.7	.2	.0							2.7	5.9
ENE	.5	.7	.7	.2	.0							2.1	6.4
E	.9	.9	.9	.5	.2	.0						3.4	7.5
ESE	1.5	.9	.7	.5	.1							3.6	6.1
SE	.9	.5	.4	.1	.0							2.1	5.1
SSE	.7	.6	.2	.0								1.5	4.1
S	1.2	3.6	2.8	.8								8.4	6.5
SSW	1.0	4.0	4.2	1.6	.1							10.9	7.4
SW	.8	3.0	4.5	3.1	.3	.0						11.7	8.7
WSW	.8	2.5	4.4	4.3	.6	.0						12.6	9.6
W	.9	3.1	4.4	2.1	.3	.0						10.8	8.3
WNW	.5	1.4	.8	.2								2.8	6.0
NW	.3	1.1	.3	.1								1.8	5.3
NNW	.4	.9	.4	.0								1.7	5.2
VARBL	1.7	1.7	.3	.1								3.8	4.1
CALM												15.2	
	14.5	28.2	26.5	14.0	1.6	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

9112

2

DATA PROCESSING DIVISION  
 I TAL/USAF  
 AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

14024  
 STATION

AIRPORT AB SPAIN  
 STATION NAME

58-70  
 YEARS

SEP  
 MONTH

ALL WEATHER  
 CLASS

ALL  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.4	.1								7.8	6.9
NNE	1.0	.8	.4	.1								7.1	6.8
NE	.8	1.1	.6	.2								7.8	6.6
ENE	.6	.8	.9	.4	.0							7.7	6.5
E	1.0	1.3	1.0	.4	.1	.0						7.8	6.5
ESE	1.7	.8	.5	.3	.1							7.4	5.3
SE	1.3	.7	.5	.1								7.7	4.6
SSE	.7	.7	.2	.0								1.6	4.7
S	1.5	3.9	2.8	.7	.1	.0						9.0	6.4
SSW	1.2	3.5	4.6	1.6	.1	.0						11.0	7.6
SW	.9	2.5	4.0	3.0	.3	.0						10.9	9.1
WSW	.7	2.5	3.8	4.5	.3	.0						17.0	9.7
W	1.1	3.3	3.3	2.0	.2	.1						10.1	8.1
WNW	.6	1.1	.7	.2	.0							7.6	6.0
NW	.4	.7	.4	.1	.0							1.7	5.9
NNW	.5	.6	.2	.0								1.2	6.5
VARBL	1.4	1.7	.3	.0								3.5	4.1
CALM												15.8	
	16.1	27.1	24.5	13.8	1.6	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

8814

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13024 MURON AB SPAIN

58-70

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	.6	.2	.0							2.9	5.1
NNE	1.1	1.1	.9	.2		.0						3.2	5.6
NE	1.2	1.6	1.5	.5	.1	.0						5.0	6.6
ENE	.9	1.5	1.3	.8	.1							4.7	7.1
E	1.1	1.8	1.4	.8	.0							5.1	6.7
ESE	1.8	1.1	.8	.4	.1	.0						4.3	5.8
SE	1.1	.8	.5	.3	.1							2.7	5.6
SSE	.8	.8	.5	.1	.0							2.3	5.3
S	1.3	3.7	3.0	1.6	.4	.2	.0					10.1	7.9
SSW	.9	2.8	2.4	1.2	.5	.1						7.9	8.2
SW	.6	2.1	2.2	1.8	.5	.2						7.4	9.2
WSW	.7	2.1	2.5	1.9	.4	.1						7.7	8.8
W	.8	2.4	1.9	.9	.3	.1	.0					6.3	7.6
WNW	.4	.7	.5	.1	.0	.0						1.7	6.1
NW	.5	.7	.3	.1	.0							1.6	5.6
NNW	.4	.8	.2	.1								1.5	5.1
VARBL	1.6	.9	.4	.2	.0							3.0	4.6
CALM												22.4	
	16.4	26.0	20.8	11.1	2.7	.6	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

9117

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/ AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NUMBER AB SPAIN STATION NAME 58-70 YEARS MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.6	.1								3.7	5.0
NNE	1.3	1.8	1.5	.3								4.0	5.7
NE	1.0	2.7	2.4	1.0	.0							7.1	6.8
ENE	1.0	1.5	2.3	1.0	.0	.0						5.4	7.3
E	1.3	1.7	1.3	.5	.0							4.9	6.0
ESE	1.4	1.3	.4	.1	.0							3.3	4.5
SE	1.4	.9	.4	.1	.0							2.9	4.6
SSE	1.0	.9	.5	.3	.1	.0						2.8	6.0
S	1.8	3.5	3.5	2.2	.8	.3	.0					12.1	8.5
SSW	1.2	2.3	2.9	2.0	.5	.3	.1					9.7	9.2
SW	.4	2.5	2.4	1.8	.3	.2	.1	.0				8.2	9.0
WSW	.7	1.5	2.2	1.3	.3	.1	.0	.0	.0			6.1	9.0
W	.6	1.4	1.2	.6	.2	.0						4.2	7.3
WNW	.4	.6	.3	.1	.0							1.5	5.9
NW	.4	.6	.2	.0	.0							1.2	5.0
NNW	.3	.5	.1	.0								1.0	4.8
VARBL	.8	.4	.1	.1								1.3	3.9
CALM												20.4	
	16.8	25.5	22.2	11.5	2.3	.9	.3	.0	.0			100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 8789

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME: TUREG AB SPAIN YEARS: 58-70

CLASS: ALL WEATHER

CONDITION:

MONTH: ALL

HOURS (L.S.T.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	.7	.2								4.0	5.1
NNE	1.7	2.8	1.2	.5	.0							6.1	5.5
NE	1.6	2.9	3.3	1.3	.1	.0						9.3	7.1
ENE	1.2	1.8	1.8	.8	.1							5.6	6.8
E	1.3	1.2	1.0	.3	.0							4.1	5.4
ESE	1.4	.9	.4	.2	.0	.0						2.9	4.6
SE	1.4	.6	.2	.1	.1	.0						2.4	4.6
SSE	.9	.7	.4	.1	.0							2.0	4.7
S	1.2	2.8	2.4	1.4	.3	.1	.0	.0	.0			8.2	7.8
SSW	.7	1.9	2.6	1.8	.6	.4	.3	.1				8.4	10.9
SW	.6	1.8	2.4	2.4	.7	.3	.3	.0	.0			8.5	10.9
WSW	.5	1.3	2.0	2.2	.4	.2	.2	.1	.0			6.9	11.0
W	.8	1.1	1.5	1.3	.3	.3	.1	.0	.0			5.4	10.0
WNW	.2	.4	.3	.0	.1		.0	.0				1.0	6.8
NW	.2	.4	.2	.1	.0							1.0	6.0
NNW	.5	.5	.2	.1								1.3	5.1
VARBL	.9	.3	.2	.0								1.4	3.8
CALM												21.6	
	10.5	23.3	20.6	12.8	2.7	1.2	.8	.3	.1			100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 9106

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 MURU AB SPAIN 59-70  
 STATION STATION NAME YEARS  
 ALL WEATHER  
 CLASS  
 CONDITION  
 NORTH  
 0000-0700  
 HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1										2.1	5.6
NNE	1.0	1.5	.8	.1								3.4	5.0
NE	1.2	3.1	.9	.1								5.4	5.1
ENE	1.1	1.6	1.9	.1								4.7	5.8
E	2.0	3.1	.6	.3	.2	.1						6.3	5.5
ESE	4.4	2.2	.6									7.2	3.5
SE	2.3	1.5	.5									4.4	3.9
SSE	1.0	1.2	.4	.1								2.7	4.9
S	2.0	4.2	3.6	2.9	.6	.2						13.6	8.2
SSW	.7	3.7	3.3	1.9	.4	.5						10.5	9.0
SW	.2	1.2	1.3	2.1	.5	.1						5.4	10.4
WSW	.4	1.3	.9	1.0	.2	.2						3.9	9.2
W	.2	1.0	1.2	.5	.2		.1					3.1	9.7
WNW	.3	.4		.4	.1							1.2	8.8
NW	.1	.3		.1								.4	7.0
NNW	.1	.2										.3	3.7
VARBL	.3											.3	3.0
CALM												25.6	
	18.0	27.4	16.1	9.5	2.2	1.1	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1116



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

LORIN AB SPAIN

59-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.6	.5									2.8	4.7
NNE	1.9	2.5	.3									4.7	4.2
NE	1.3	4.3	1.7	.4								7.7	5.5
ENE	1.8	2.2	1.6	.4								6.8	5.6
E	2.4	2.5	1.7	.5	.1							7.8	5.5
ESE	2.9	1.4	.5									4.7	3.6
SE	1.9	.9	.2	.1	.1							3.1	4.2
SSE	.0	1.1	.3	.3								2.4	5.3
S	1.3	4.4	3.2	2.0	.4	.2						11.5	7.9
SSW	.6	2.4	2.0	1.0	.9	.3	.1					8.1	10.1
SW	.4	.9	1.5	1.6	.7	.1	.1					5.4	10.7
WSW	.3	1.0	1.3	1.4	.4	.2						4.7	10.8
W	.3	.8	.1	.3	.2							2.7	9.8
WNW	.1	.1	.2	.1	.2							.6	10.9
NW	.1	.2	.1		.1							.4	7.0
NNW	.2	.1	.1									.4	5.3
VARBL	.4											.4	2.3
CALM												28.8	
	17.5	25.4	15.3	8.9	3.5	.7	.2					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1116

ATA ENCL 511 1001 W  
 TAC/USAF  
 AIR EATING SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME YEARS MONTH HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.9	.4	.1								2.9	4.5
NNE	1.7	2.2	1.1	.1								5.1	4.5
NE	1.8	4.0	2.9	1.2								9.9	6.4
ENE	1.6	2.9	1.8	.4								6.7	5.6
E	1.9	2.1	.9	.3								5.2	4.9
ESE	1.5	2.2	.5	.2		.1	.1					4.7	5.7
SE	1.1	1.3	.2	.1								3.0	4.7
SSE	.7	.5	.4									1.8	4.4
S	1.3	2.4	2.5	2.1	.8	.2	.1					9.4	9.1
SSW	1.1	1.6	3.0	2.1	.7	.1	.1					8.5	9.7
SW	.4	1.4	2.0	1.7	.7	.2						6.7	9.9
WSW	.7	.5	1.0	1.1	.3	.1						3.1	10.5
W	.5	.4	.6	.7	.2							1.8	10.0
WNW	.2				.1	.1						.4	11.3
NW	.3	.1	.4		.1							.8	7.1
NNW	.4	.2		.1								.6	4.7
VARBL	.4											.4	2.5
CALM												29.1	
	15.9	23.6	17.5	10.1	2.8	.7	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1138

2

DATA PROCESSING DIVISION  
 AFMAG/USAF  
 AIR WEATHER SERVICE/AFMAG

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 STATION NAME WFO - AB SPAIN YEARS 58-70 MONTH JAN  
 CLASS ALL WEATHER HOURS (LST) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	.5	.1								4.2	4.1
NNE	2.9	3.3	2.5	.6								9.3	3.7
NE	1.6	4.7	4.9	1.8								12.5	7.3
ENE	.6	1.8	2.8	1.2	.1							4.4	7.6
E	1.4	1.3	1.1	.7	.1							4.3	3.4
ESE	.7	1.0	.4	.3			.2					3.6	7.5
SE	.6	.7	.1	.2	.1							1.1	3.3
SSE	.3	.1	.4	.3								1.4	7.2
S	1.3	2.5	2.1	2.1	.6	.3						9.2	9.2
SSW	.2	1.3	2.7	2.5	.8							7.8	10.2
SW	.3	1.1	2.0	1.3	.4	.3						5.3	10.8
WSW	.2	.6	2.1	1.6	.5	.1						5.3	10.6
W	.3	.6	.8	.6	.2							2.7	8.8
WNW	.3	.4	.1		.1	.1						1.0	7.2
NW	.5	.5	.1	.1								1.2	4.6
NNW	.3	.3	.1									.8	4.3
VARBL	.7	.1										.8	2.3
CALM												22.1	
	14.4	22.8	22.6	13.7	3.6	.3	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1179

DATA PREPARED BY DIVISION  
 TAC/USAF  
 AIR WEATHER SERVICE/AL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 NAME TAC/USAF YEARS 58-70  
 CLASS ALL WEATHER  
 MONTH 1200-1400  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.9	1.3	.7								6.0	6.0
NNE	1.1	3.6	3.1	.9	.1							8.4	6.9
NE	.5	2.8	4.2	2.3	.1							9.9	4.4
ENE	.4	.7	2.4	2.0	.3	.1						5.7	10.1
E	.6	.7	1.7	.6	.1							3.6	8.1
ESE	.1	.7	.5	.8	.1	.1						2.3	10.2
SE		.2	.8	.3								1.3	9.0
SSE	.5	.2	.2	.1	.1							.8	6.8
S	.3	.6	1.0	2.4	.8	.3	.3					5.7	13.3
SSW	.3	.9	2.3	2.3	.7	.3	.2					7.1	11.5
SW	.4	1.0	1.7	2.6	1.8	.3	.2					8.0	12.7
WSW	.3	.8	2.3	2.9	1.1		.1					7.5	11.6
W	1.5	1.9	2.5	2.2	.3							8.3	8.2
WNW	1.1	.9	.6	.1	.2	.1						3.1	6.1
NW	.8	1.1	.1		.1							2.1	4.4
NNW	.6	1.0		.1								1.7	4.5
VARBL	2.4	1.3										3.9	3.0
CALM												13.2	
	11.7	22.6	24.8	20.4	5.6	1.0	.7					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1179

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/ETAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13024 STATION NAME 36 SPAIN YEARS 56-70 MONTH NORTH  
 CLASS ALL WEATHER HOURS (LST) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.5	1.0	.4								5.1	5.5
NNE	.4	3.3	2.6	.4								7.7	5.2
NE	1.0	2.6	3.4	.7	.3							8.0	5.7
ENE	.7	1.9	2.4	1.1	.1	.1						6.3	8.0
E	.2	1.1	1.3	2.1	.3							5.6	9.8
ESE		.4	1.1	.5		.1						7.7	9.6
SE	.3	.2	.8	.3								1.5	7.5
SSE	.1	.1	.4	.3								.4	9.2
S	.2	1.0	.8	1.1	.6	.1	.2					3.9	11.4
SSW	.3	1.5	1.4	2.3	.8	.3	.1					6.6	10.8
SW	.5	1.7	2.6	3.9	1.2	.8	.1					10.7	11.8
WSW	.7	1.7	2.5	2.8	.8	.3						9.6	10.8
W	1.6	3.3	3.3	2.3	.4	.1						11.6	7.9
WNW	1.1	1.3	.7	.6	.2							4.5	6.7
NW	.5	1.0	.4									1.7	4.4
NNW	.7	.7	.4	.1								1.7	5.1
VARBL	1.8	.6										2.5	3.0
CALM												11.7	
	12.8	24.9	25.0	18.7	4.7	1.9	.4					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1137

DATA PROCESSING DIVISION  
 USAF/USAF  
 AIR WEATHER SERVICE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 NAME Puerto Rico, Spain YEARS 59-70 MONTH JAN  
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.2									1.3	4.5
NNE	1.2	1.8	.4									3.4	4.7
NE	1.5	2.2	1.2	.3								5.1	5.4
ENE	1.2	2.7	2.2	.2								6.7	5.9
E	1.7	4.1	2.0	.6	.3							8.7	6.7
ESE	2.7	.9	.6	.2								4.4	6.1
SE	1.2	.7	.1		.1							2.1	4.2
SSE	.9	.6	.3									1.8	4.0
S	1.1	2.5	2.2	1.4	.7	.2						8.2	8.8
SSW	1.3	2.9	3.1	2.7	.7	.5	.1					11.4	9.5
SW	1.3	3.0	4.1	2.8	.8	.4	.1					12.5	9.8
WSW	.4	1.3	2.1	2.1	.2	.1						6.0	9.2
W	.5	1.2	.9	.5								3.1	6.8
WNW	.7	.3	.3	.2								1.4	5.4
NW	.4	.4	.2									1.0	4.8
NNW	.7	.2	.3	.1								1.3	4.7
VARBL	.3	.3										.5	3.5
CALM												21.4	
	17.5	25.8	20.1	11.0	2.8	1.3	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1116

2

DATA PROCESSING DIVISION  
AFAC/USAF  
AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024  
STATION

MURKIN AB SPAIN  
STATION NAME

59-70  
YEARS

300  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	.1									1.3	3.5
NNE	.4	1.5	.4									2.6	4.8
NE	1.5	1.5	.4	.1								3.5	4.5
ENE	1.2	2.0	2.0	.3								5.4	5.8
E	2.2	4.0	1.2	.2	.1							7.6	5.0
ESE	3.6	3.3	.6	.4	.1							8.7	4.4
SE	2.4	2.0	.3									4.1	3.6
SSE	1.3	.5	.4	.1								2.7	4.3
S	1.6	4.9	4.1	2.5	.5	.1						13.8	7.8
SSW	.4	3.3	4.3	2.2	.4	.6						11.3	9.4
SW	.4	2.1	2.3	1.7	.3		.1	.1				6.9	9.5
WSW	.3	1.6	1.6	1.5	.4		.1					5.5	9.7
W	.4	.4	1.2	.6	.2	.1						2.6	10.3
WNW	.1	.4	.2	.3								1.0	7.5
NW	.1	.1										.2	3.5
NNW	.1	.1	.1									.3	5.3
VARBL	.7	.2										.9	2.7
CALM												22.5	
	16.9	26.2	19.2	9.9	2.0	.8	.2	.1				100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

1116

DATA PROCESSING DIVISION  
 DTAC/USAF  
 AIR WEATHER SERVICE/140

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13024 MURDOCK AB SPAIN

59-70

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.3									1.9	4.3
NNE	1.4	.5	.6									2.5	4.0
NE	1.4	1.7	1.6	.6	.1							5.5	6.7
ENE	1.0	.8	1.1	.4								3.3	6.7
E	2.7	2.3	1.3	.2	.1							6.5	5.0
ESE	2.4	1.8	.3									4.5	3.7
SE	3.0	1.0	.2	.1								4.2	3.4
SSE	1.2	1.3	.5	.2								3.2	4.9
S	1.0	6.4	4.7	1.9	.5	.2		.1				15.6	7.6
SSW	1.2	2.8	2.8	2.7	.4	.3	.2					10.3	9.4
SW	.2	1.5	2.9	1.8	.2	.6	.1					7.2	10.7
WSW	.4	1.5	2.0	1.4	.1							5.3	8.4
W		.5	.2		.1							.8	7.8
WNW	.3											.3	2.0
NW	.1	.3										.4	3.8
NNW	.4	.5	.1									1.0	4.0
VARBL	.0	.1										.7	2.4
CALM												26.6	
	18.8	23.8	18.6	9.2	1.5	1.1	.3	.1				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1014



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ALC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 STATION NAME BIRDA AB SPAIN YEARS 58-70  
CLASS ALL WEATHER  
CONDITION  
FF 14  
HOURS 0300-0500  
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.3									1.7	4.4
NNE	1.9	1.7	.4	.2								4.1	4.4
NE	1.0	2.4	1.6	1.2	.1							6.8	6.7
ENE	1.5	2.1	1.1	.8								5.4	6.4
E	1.9	3.0	.8	.8								6.4	5.6
ESE	2.4	1.6	.1									4.0	3.7
SE	2.6	1.2	.2									3.7	3.4
SSE	1.0	.8	.2	.1								2.1	4.6
S	1.8	5.6	4.7	2.1	.5	.2	.2					13.1	8.0
SSW	.8	2.7	2.1	2.5	.5	.3						8.8	9.2
SW	.1	1.2	3.0	.7	.8	.4						6.1	10.7
WSW	.8	.9	1.6	1.5			.1					4.8	8.6
W		.5	.9									1.4	7.4
WNW				.2								.2	13.5
NW	.2		.1									.3	5.0
NNW	.4											.4	2.8
VARBL	.5											.5	2.2
CALM												24.1	
	17.7	24.3	16.9	9.9	1.9	.9	.3					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1016

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

MIRIBAB SPAIN

58-70

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0600

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	.1									2.4	3.5
NNE	1.2	1.3	1.0	.3								3.9	5.6
NE	2.7	3.8	3.3	1.1	.1							11.1	6.1
ENE	1.3	2.6	2.1	.7	.1	.2						7.0	7.1
E	1.1	1.9	.7	.1								3.8	4.9
ESE	2.5	1.9	.4	.1								4.9	3.9
SE	1.3	.6	.2									2.1	3.6
SSE	1.1	1.2	.6		.1							2.8	3.1
S	1.4	3.4	3.2	2.4	.7	.1						11.7	8.3
SSW	.6	3.4	2.3	2.1	.3	.1	.2	.1				9.4	9.2
SW	.3	1.7	1.7	.9	.2	.5						5.3	9.8
WSW	.3	1.0	2.2	.3		.3						4.0	8.4
W	.5	.4	.9	.3		.1						2.1	7.8
WNW		.2										.2	5.0
NW	.4		.1	.1								.6	3.3
NNW	.1	.2										.3	4.3
VARBL	.9	.1										1.0	2.6
CALM												27.4	
	17.4	24.9	19.1	8.3	1.4	1.3	.2	.1				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1038

2

DATA PROCESSING DIVISION  
 STAL/USAF  
 AIR WEATHER SERVICE/AF

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13024

MUKDAB SPAIR

58-70

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.6	.1								3.4	4.8
NNE	2.2	2.3	1.9	.3								6.7	5.3
NE	2.2	5.0	4.8	1.9	.6	.1						14.7	7.5
ENE	1.2	3.1	2.7	1.2		.3						8.4	7.4
E	.5	1.7	.9	.2								3.2	6.1
ESE	.6	.4	.1	.1								1.1	4.4
SE	.4	.4	.4									1.1	5.3
SSE	.4	.4	.8	.1								1.7	6.6
S	.9	2.0	4.0	2.6	1.1	.5	.1					11.2	10.5
SSW	.1	1.6	3.0	2.2	.8	.4						8.1	11.0
SW	.5	1.9	1.8	1.9	.9	.6	.1					7.7	11.2
WSW	.2	.5	1.6	1.9	.6	.2	.1					4.9	11.9
W	.1	.9	1.6	.6								3.2	8.1
WNW		.4	.3	.4								1.7	8.5
NW	.3	.2	.1	.1								.6	5.3
NNW	.3	.4	.2	.1								.9	5.9
VARBL	1.2	.2										1.4	2.7
CALM												20.3	
	12.8	22.6	24.8	13.5	4.1	2.0	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1078

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 STATION NAME OASIS AB SPAIN YEARS 58-70 MONTH FEB  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 1200-1400  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	1.1	.2	.1							5.3	5.4
NNE	.4	2.3	3.1	.3	.1							6.7	6.8
NE	.6	2.6	4.6	3.4	.8							12.1	9.6
ENE	.3	1.3	2.2	.7	.2	.1						6.5	8.5
E	.3	.8	1.2	.8	.1							3.7	8.9
ESE	.2		.5	.3								.8	9.7
SE	.2	.5	.2	.2								1.6	7.0
SSE	.2		.3	.1		.1						.6	9.9
S	.3	.1	.8	1.7	.8	.3	.2					4.7	13.9
SSW	.4	.6	1.9	3.9	1.7	.8						6.3	13.7
SW	.6	1.6	2.7	3.4	1.4	1.1	.5					11.2	13.1
WSW	.3	1.5	2.6	2.9	1.0	.6	.1					9.7	11.8
W	1.1	2.4	3.6	1.8	.1	.1	.1					9.2	8.4
WNW	.2	1.4	.8	.3								2.7	6.6
NW	.8	1.0	.4	.5								2.7	6.0
NNW	.6	.7	.4									1.7	5.1
VARBL	2.5	2.6										5.1	3.4
CALM												10.4	
	10.6	22.1	26.3	20.4	6.3	3.1	.8					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 ORIN AB SPAIN

58-70

FFB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOUS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	1.3	.4								3.6	6.3
NNE	1.2	3.5	2.2	.4	.1							7.4	6.3
NE	.8	3.1	5.6	1.3	.1							10.8	7.9
ENE		.6	1.9	1.2	.2							4.1	9.8
E	.1	.8	1.3	1.1	.4							3.6	10.4
ESE	.2	.2	.3	.7	.3							1.6	11.1
SE		.2	.2	.1								.3	8.4
SSE		.3		.1								.4	8.8
S	.5	.7	1.7	1.3	.3	.2	.1					4.7	10.7
SSW	.1	.6	1.9	2.3	1.7	.6						7.3	13.4
SW	.9	1.4	3.8	4.6	2.0	1.0	.5					14.1	12.8
WSW	.6	1.8	3.6	4.1	1.5	1.0	.1					12.6	11.8
W	1.2	3.3	3.3	1.6	.1							9.7	7.5
WNW	.8	1.6	.6	.4	.1							3.5	6.4
NW	1.0	.8	.3									1.8	4.4
NNW	.3	.9	.4	.2	.1							1.8	7.2
VARBL	2.4	1.3										3.7	3.1
CALM												8.9	
	10.7	22.0	28.5	19.6	6.4	2.7	.7					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

1034

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024  
 STATION

MURKIN AB SPAIN

STATION NAME

59-70

YEARS

FFB

MONTH

ALL WEATHER

CLASS

1600-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	.6									3.4	4.3
NNE	1.7	1.1	.4									3.2	3.8
NE	1.5	1.6	1.4	.3								4.7	5.7
ENE	1.1	1.6	1.4	.5								4.5	6.3
E	1.0	2.3	1.6	.5								5.7	6.0
ESE	1.0	1.6	.5	.7								3.7	6.4
SE	1.5	.7	.1	.1	.1							2.5	4.3
SSE	.4	.6	.6	.1								1.7	6.1
S	1.2	2.3	2.3	1.4	.5	.6						8.8	8.7
SSW	1.3	3.0	3.9	4.1	1.0	.3	.1					13.7	9.8
SW	2.5	2.6	3.7	2.6	1.1	.5						12.9	9.0
WSW	.5	3.0	3.8	1.3	.5							9.1	8.3
W	.6	1.5	1.7	.9	.1							4.7	7.8
WNW	.4	.6		.1								1.3	4.8
NW	.1	.4										.5	4.4
NNW	.5	.1	.3									.9	4.1
VARBL	.5											.5	1.8
CALM												18.7	
	17.6	24.4	22.3	12.5	3.3	1.2	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

1014

2

DATA PROCESSING DIVISION  
STAC/USAF  
AIR FORT BRASS/AFM

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION NAME: STATION NAME: YEARS: MONTH: 2100-2300  
HOURS (LST)  
CLASS: ALL WEATHER  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8										1.5	3.7
NNE	.9	.4	.1									1.4	3.6
NE	.6	1.4	1.0	.7								3.7	6.9
ENE	1.0	2.4	1.3									4.6	5.3
E	1.5	1.8	1.8	.5								5.5	6.1
ESE	3.1	2.0	.7	.3								6.1	4.2
SE	4.1	1.4	.7	.2								6.4	3.8
SSE	1.9	.8	.8	.3								3.7	4.8
S	1.3	6.0	4.5	2.4	.4	.2						14.4	7.8
SSW	1.1	3.7	3.6	3.1	.5	.5						12.4	9.3
SW	.9	2.0	3.3	2.4	.5	.5	.2					9.7	10.0
WSW	.3	2.2	1.3	.8	.1							4.6	7.4
W	.7	.7	.8			.1						2.3	6.4
WNW	.4			.2								.6	6.3
NW	.3	.1	.1									.3	4.2
NNW	.3	.4										.7	3.7
VARBL	.6											.6	2.0
CALM												20.8	
	19.6	25.9	19.9	10.7	1.5	1.3	.2					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1014

2

DATA PREPARED BY: 11/11/11  
 STATION: 13024  
 AIR: 11/11/11

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 13024 STATION NAME: 11/11/11 YEARS: 11/11/11  
 CLASS: ALL SEASIDE  
 MONTH: 0000-0200  
 HOURS (L.S.T.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9										1.8	3.4
NNE	1.3	1.8	.2	.1								3.3	4.1
NE	.9	1.7	1.3	.5								4.4	6.4
ENE	.4	1.7	1.3	.1	.1							3.5	6.4
E	1.2	1.5	.8	.9								4.3	6.5
ESE	1.9	1.4	.4		.1	.1	.1					4.6	5.2
SE	2.7	1.2	.3	.2								4.3	3.8
SSE	1.4	1.8	.5	.2								3.9	4.6
S	2.8	7.3	3.3	1.9	.4		.1					15.9	6.6
SSW	1.1	5.3	3.0	2.3	.5							12.1	7.7
SW	.7	2.2	2.8	1.8	.4	.1						7.9	8.9
WSW	.5	1.7	1.3	1.0	.6		.1					5.2	9.1
W	.4	1.2	1.3	.3	.2	.1						3.4	8.1
WNW	.2	.5	.1									.8	4.9
NW	.3	.7										1.0	4.5
NNW	.3	.5	.1									.8	4.5
VARBL	.7	.3										1.0	2.9
CALM												22.1	
	17.7	31.6	16.5	9.3	2.3	.3	.3					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1197



2

DATA PROCESSING DIVISION  
 USAF/USAF  
 AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14004 STATION NAME 58-70 YEARS MONTH 100-0500 HOURS U.S.T.

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.9	.2									2.1	4.4
NNE	2.2	1.2	.3	.2								3.8	4.0
NE	1.3	2.2	1.5	.8								5.6	6.5
ENE	1.2	1.8	1.4	.6								5.5	6.5
E	1.0	1.8	.8	.3	.1							4.6	5.5
ESE	2.8	1.8	.8		.2	.1	.1					5.7	5.2
SE	2.2	1.9	.8	.2								5.1	4.5
SSE	1.3	1.2	.3	.3								3.6	4.7
S	2.0	3.3	1.9	.8	.1							10.8	5.8
SSW	1.7	3.9	2.3	1.8	.3	.2						16.2	7.5
SW	.9	2.2	3.3	1.8	.5	.2						8.9	9.0
WSW	.3	1.6	1.1	1.3	.3							4.6	9.0
W	.7	1.4	.5	.3	.2							3.1	6.5
WNW	.3	.5	.1									.9	4.2
NW	.2	.3	.2									.6	3.9
NNW	.3	.1										.4	2.6
VARBL	.6	.1										.7	2.9
CALM												25.6	
	20.5	28.1	15.4	8.4	1.5	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1197

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AF

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME AB SPAIN SB-70 YEAR MONTH 0000-0800  
STATION CLASS ALL WEATHER HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.2	.1								1.1	5.2
NNE	.5	2.0	.8	.1								4.3	4.6
NE	1.2	2.7	2.3	.5								6.9	6.6
ENE	1.3	2.5	2.3	1.3	.1							7.5	7.2
E	1.5	1.5	.8	.6								4.4	5.7
ESE	1.3	1.4	.3	.3	.1							3.4	5.1
SE	1.3	.6	.3	.2								2.7	4.5
SSE	1.7	.9	.3									2.9	3.6
S	1.6	6.1	2.2	.6	.2							10.6	6.1
SSW	1.7	2.3	1.9	1.6	.3	.1						7.9	7.9
SW	.9	2.4	3.1	1.8	.3	.1						8.7	8.5
WSW		1.3	1.2	.6	.1							3.1	8.3
W	.4	.7	.6	.9	.1							2.7	8.8
WNW	.4	.8	.3									1.6	4.6
NW	.4	.3	.1									.6	4.1
NNW	.2	.2										.3	3.5
VARBL	.4	.1										.3	2.7
CALM												30.8	
	15.9	26.5	16.7	8.8	1.2	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1197

DATA PROCESSING DIVISION  
 STAG/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 STATION NAME RUSSEL AB SPAIN YEARS 58-70 MONTH JAN  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	.9									3.6	5.1
NNE	1.1	2.2	1.0	.1								4.3	5.1
NE	.8	2.3	4.1	2.3	.1							9.5	8.5
ENE	.8	1.9	3.1	2.7	.6							9.5	8.5
E	.9	.8	1.3	2.0	.2	.1						6.7	10.1
ESE	.8	.3	.7	.3	.2	.1						2.1	7.8
SE	.1	.3	.3	.3								1.6	8.8
SSE		.3	.2									.4	5.4
S	1.3	2.3	2.2	1.7	.3	.2						7.9	8.2
SSW	.5	2.2	2.2	1.4	.3	.2						6.7	8.6
SW	.4	2.2	4.3	2.9	1.0	.2						11.2	10.1
WSW	.7	2.1	1.8	1.3	.4	.2						6.4	9.0
W	.3	2.6	1.4	1.8	.3	.2						6.6	9.1
WNW	.3	1.0	.8	.3	.1							2.4	7.1
NW	.6	.8	.6									2.0	5.0
NNW	.4	.1	.5	.1								1.1	6.0
VARBL	2.6	1.1										3.9	3.0
CALM												17.1	
	11.4	24.1	25.4	17.1	3.3	1.0						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1197

DATA PROCESSING DIVISION  
 DTAG/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024      HUEL AB SPAIN      58-70      3  
 STATION      STATION NAME      YEARS      MONTH  
 ALL WEATHER      1200-1400  
 CLASS      HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	.9	.1								4.4	5.6
NNE	.6	1.2	1.9	.8	.1							4.7	7.5
NE	.5	1.4	2.7	2.6	.3							7.7	9.3
ENE	.3	.4	1.6	2.2	.3							4.8	10.6
E	.4	.3	1.4	2.4	.3							4.9	10.6
ESE		.3	.4	.9	.3		.2	.1				2.1	14.4
SE		.1	.2	.1		.2						.8	13.2
SSE		.2	.3	.3	.1							.7	11.4
S	.2	.2	1.0	1.2	1.3	.2						3.9	13.5
SSW	.1	.8	1.1	1.5	.5							3.9	11.7
SW	.6	1.2	3.5	3.5	1.9	.3	.1					11.7	11.9
WSW	.6	2.6	4.0	4.5	1.6	.9						14.2	11.3
W	1.1	3.8	4.7	2.3	.3	.1						12.1	8.3
WNW	.6	1.9	1.4	1.2								5.3	7.2
NW	.5	1.0	.5	.1								2.1	5.5
NNW	.7	.8	1.2	.1								2.4	6.1
VARBL	3.5	3.8										7.3	3.7
CALM												8.5	
	10.7	21.8	26.8	23.6	6.8	1.6	.3	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS      1195

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AL

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 STATION NAME TORONTO AB SPAIN YEARS 56-70 MONTH 100-1700 HOURS (LST.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	.9	.2	.1							2.4	7.6
NNE	.8	1.2	1.6	.3								4.1	6.3
NE	.3	1.4	2.8	1.4	.1							5.9	8.7
ENE	.5	.7	1.7	1.7	.5							4.1	10.4
E	.4	.6	1.8	1.4	.3	.1						4.4	10.4
ESE	.1	.3	.5	1.4	.2		.1	.1				2.7	12.8
SE	.2	.1	.1	.4	.2	.1						1.6	12.1
SSE		.2	.2	.1	.1							.5	9.7
S	.1	.3	.8	.9	.6	.2						3.6	12.5
SSW	.3	1.3	1.9	1.4	.8	.1						5.9	10.6
SW	.3	1.4	4.1	5.2	2.4	.6						13.7	12.5
WSW	.4	2.3	6.0	6.6	1.8	.3						17.6	11.4
W	.6	3.0	4.0	3.6	.3	.1						12.3	9.1
WNW	.3	2.1	1.4	.6	.1	.1						4.5	7.6
NW	.6	1.0	1.1	.8								3.5	7.8
NNW	.3	1.0	1.1	.3								2.7	6.7
VARBL	2.0	2.0										4.5	3.7
CALM												6.3	
	7.1	21.0	29.9	26.5	7.4	1.7	.1	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 1183

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13024  
STATION

MURUMB AB SPAIN  
STATION NAME

58-70  
YEARS

AR  
MONTH

ALL WEATHER  
CLASS

1100-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.3	.1	.1							2.8	4.9
NNE	1.1	1.4	.3									2.8	3.8
NE	.6	1.7	1.2	.2								3.7	5.8
ENE	.5	1.1	1.2	.3	.1							3.2	6.8
E	.9	2.0	2.0	.3								5.7	6.9
ESE	.6	1.3	.8	1.0		.2	.1					4.2	8.5
SE	.5	.6	.3	.3								1.7	6.6
SSE	.4	.4	.3	.2	.1							1.4	7.0
S	.6	1.5	1.2	1.4	.5	.1						5.3	9.7
SSW	1.5	2.4	3.7	2.6	.6	.1						10.4	9.1
SW	1.6	4.9	7.6	4.3	1.2	.5						19.3	9.6
WSW	1.5	4.3	5.3	3.1	.5	.1						14.8	8.3
W	1.3	2.0	3.1	.9	.2	.2						7.6	7.7
WNW	.5	.6	.6	.2								2.1	5.9
NW	.7	.7	1.3	.1								2.7	6.2
NNW	.7	1.2	.4	.1								2.4	5.2
VARBL	.5	.3										.8	3.0
CALM												8.9	
	13.8	27.8	29.5	15.6	3.2	1.1	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1178

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/46

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 STATION NAME MURK AB SPAIN YEARS 50-70 MONTH APR 2100-2300 HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.1									1.1	3.9
NNE	.5	.9	.3									1.7	4.6
NE	1.1	1.2	.3	.1								2.7	4.6
ENE	.5	1.1	.8	.2								2.6	6.0
E	2.3	2.6	1.4	.3								6.4	5.5
ESE	1.5	2.1	1.0	.4			.3					5.4	6.7
SE	1.7	1.2	.3									3.2	3.9
SSE	1.2	.9	.2	.3								2.6	4.8
S	3.1	6.7	5.8	1.9	.7	.3						18.4	7.3
SSW	1.3	5.8	5.3	2.0	.3	.1						14.7	7.7
SW	1.2	3.5	4.0	2.6	.5	.2	.3					12.2	9.1
WSW	.9	1.6	2.5	1.4	.4							6.8	8.4
W	.7	.9	1.4	.9	.1							4.0	8.4
WNW	.2	.4	.2	.2								.9	6.7
NW	.5	.5	.2									.9	5.1
NNW	.3	.5	.3									1.1	4.8
VARBL	.3	.3										.6	3.3
CALM												14.6	
	17.4	30.7	24.1	10.2	2.0	.5	.3					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1176

DATA PROCESSING DIVISION  
STAC/USAF  
AIR WEATHER SERVICE/AL

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14024 STATION 14024 AB SPAIN 58-70  
STATION NAME CLASS MONTH  
ALL - FATHER 0000-0700  
CONDITION HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.3	.1								1.0	5.9
NNE	1.1	.7	.1	.1								1.9	4.0
NE	.9	1.2	.8	.3								3.2	6.0
ENE	.4	1.4	.7									2.5	5.8
E	1.2	1.1	.9									3.2	4.8
ESE	2.4	1.1	.2									3.7	3.7
SE	3.1	.8	.3									4.2	3.0
SSE	2.0	1.4	.5	.1								4.0	3.9
S	3.8	10.9	5.8	1.5	.1							22.0	6.0
SSW	3.5	6.0	5.0	1.2	.5							16.2	6.5
SW	1.9	2.9	2.2	1.1	.5							8.6	7.3
WSW	.3	2.2	1.7	.2	.1	.2						4.6	7.3
W	.5	1.2	.8									2.5	5.4
WNW	.2	.3	.3									.8	5.4
NW	.1	.2	.1									.3	5.5
NNW	.3	.3										.6	3.1
VARBL	.5	.1										.6	2.7
CALM												19.8	
	22.5	32.1	19.5	4.6	1.2	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1146



DATA PROCESSING DIVISION  
 FTAL/USAF  
 AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION NAME: CORDOBA SPAIN YEARS: 58-70 MONTH: APR  
 CLASS: ALL WEATHER HOURS (L.S.T.): 0300-0500  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.3									1.7	3.9
NNE	1.0	.8	.7		.1							2.5	5.2
NE	1.0	1.7	1.3	.5								5.1	5.9
ENE	.6	1.7	.7	.1								3.3	3.3
E	1.7	1.4										3.1	3.5
ESE	4.4	1.5	.3									6.2	3.1
SE	2.4	.8										3.1	3.2
SSE	1.7	1.0	.9									3.6	4.3
S	3.9	8.0	3.1	.9								16.0	5.5
SSW	2.2	5.8	4.3	.7	.4							13.4	6.5
SW	2.0	2.2	2.2	1.0	.3	.2						7.0	7.4
WSW	.6	1.0	.7		.2							2.4	6.5
W	.4	.5	.5	.2		.1						1.7	6.8
WNW		.5	.3	.1								.9	6.6
NW	.3	.3		.1								.7	4.4
NNW	.3	.1										.3	3.0
VARBL	.3											.3	3.0
CALM												27.7	
	24.1	28.1	15.3	3.6	1.0	.3						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1146

2

DATA PROCESSING DIVISION  
 ETAG/USAF  
 AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13024 STATION 13024 NAME AB SPAIN YEARS 58-70 MONTH APR  
 CLASS ALL WEATHER HOURS 0600-0600  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	.3									1.8	4.5
NNE	1.0	.9	.3	.3								3.0	4.6
NE	2.0	2.3	2.4	.7	.3	.1						7.8	6.8
ENE	1.9	1.7	2.1	.4	.1							5.7	6.2
E	1.0	1.2	.3	.2								3.5	4.3
ESE	1.7	1.3	.2									3.2	3.6
SE	2.0	.5	.5									3.0	3.6
SSE	.8	1.0	.3									2.0	4.3
S	2.8	5.7	3.2	1.0								12.8	5.7
SSW	2.3	4.4	3.0	.5								10.3	5.8
SW	1.4	2.3	1.7	.7	.3	.1						6.4	6.9
WSW	1.0	1.2	1.7	.3	.1							4.4	6.5
W	.3	.8	.3	.7	.2							2.3	8.8
WNW	.5	.2	.2									.9	4.2
NW		.3										.3	5.7
NNW	.2	.3	.1									.5	4.2
VARBL	.0	.1										.7	2.6
CALM												31.2	
	21.2	25.1	16.6	4.9	.9	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 1149

2

DATA PREPARED BY DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 HONOLULU AB SPAIN

58-70

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	.3	.2	.1	.1						3.0	5.3
NNE	.8	2.9	1.8	.8	.1							6.4	6.7
NE	.5	4.9	4.4	1.7	1.7	.3						13.3	9.4
ENE	.4	1.4	2.3	1.5	.2							5.7	8.4
E	.5	1.0	1.0	.9								3.4	7.5
ESE	.2	.1	.3	.1								.7	7.6
SE	.4	.4	.1	.1	.1							1.1	6.1
SSE	.5	.1	.3	.2								1.0	6.1
S	1.0	1.3	1.5	1.6								5.3	8.0
SSW	.8	2.6	2.6	2.0	.4	.1						8.5	8.6
SW	1.0	3.0	3.1	1.5	.4	.3						9.7	8.7
WSW	.9	2.0	2.8	2.6	.3							8.6	8.8
W	1.1	2.5	1.6	1.3	.3							6.9	7.7
WNW	.6	.8	1.0	.3								2.6	6.5
NW	.3	.4	.9	.1								1.7	6.8
NNW	.6	.5	.3	.1								1.6	5.1
VARBL	2.7	1.5										4.2	3.3
CALM												15.2	
	13.9	26.9	24.3	15.1	3.7	.8						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1149

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 NAME TURE DE SPAIN YEARS 46-70 MONTH APR  
CLASS ALL WEATHER HOURS 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.6	1.6	.3								4.7	5.7
NNE	.6	1.1	2.2	.8								4.7	7.7
NE	1.0	1.9	3.1	2.1	1.0	.3						7.4	9.4
ENE	.5	1.0	1.6	1.0	.2							4.7	8.4
E	.7	1.5	1.0	.7								3.8	6.8
ESE	.1	.3	.3	.6								1.5	9.9
SE	.1	.3		.3								.7	7.5
SSE	.1	.1	.1									.3	5.0
S	.5	.5	1.1	.9	.5	.1						3.7	10.2
SSW	.4	1.0	1.8	1.0	.9	.2						5.3	10.7
SW	.7	1.9	3.0	3.0	.8	.2						6.5	10.0
WSW	.6	2.6	4.3	3.4	.9	.2						13.4	10.3
W	1.7	3.7	4.7	2.5	.9	.1						13.6	8.5
WNW	.6	1.7	1.4	.4								4.2	6.7
NW	.6	1.3	.8	.4								3.1	6.3
NNW	.8	1.3	.7	.2								3.0	5.5
VARBL	3.3	3.8										7.3	3.6
CALM												7.2	
	12.8	26.0	27.6	20.2	5.1	1.0						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1148

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11024 MURKIN AM SPAIN 58-70 APR  
 STATION NAME YEARS MONTH  
 ALL WEATHER  
 CLASS  
 CONDITION  
 1500-1700  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.3	1.2	.7								4.8	6.6
NNE	.5	2.2	2.4	.8								5.8	7.3
NE	.5	1.1	2.4	1.4	.7							6.1	9.6
ENE	.3	.7	1.7	.9								3.6	4.3
E	.2	.6	1.6	.9								3.4	4.6
ESE		.2	.6	.3								1.1	4.5
SE	.4	.3	.3	.4								1.1	4.2
SSE	.2	.1	.3	.2								.7	7.8
S	.4	.5	.7	.7	.3							2.4	9.5
SSW	.5	.5	.6	2.0	.6	.1						4.3	11.8
SW	.2	1.2	3.0	4.8	1.5	.5						11.7	12.2
WSW	.5	2.7	5.2	6.3	2.2	.5	.1					19.4	11.8
W	1.5	4.5	4.7	4.4	.7	.1						13.9	8.8
WNW	.6	3.4	1.5	.7	.3							6.5	6.9
NW	.7	1.4	1.0	.3								3.4	6.2
NNW	.4	.6	.9	.3								2.0	7.3
VARBL	1.4	2.2										4.1	3.7
CALM												3.9	
	6.7	24.6	28.4	26.9	6.3	1.1	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1103

2

DATA PROCESSING DIVISION  
 (TAC/USAF)  
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION 13024 STATION NAME 50-09 YEARS MONTH 1-00-2000 HOURS (LST)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.3	.3								3.7	6.0
NNE	.0	2.0	1.2	.5	.1							4.4	6.2
NE	.4	1.1	1.9	.3	.1							3.7	7.3
ENE	.0	1.7	.9	.3	.1							3.4	6.3
E	.9	.8	.7	.3								2.8	5.7
ESE	.0	.0	.3	.2								1.6	5.6
SE	.0	.0	.4									1.4	5.1
SSE	.4	.3	.1		.1							.8	5.6
S	.5	1.4	1.2	1.2	.1							4.4	8.3
SSW	.0	1.2	2.9	2.0	.5	.1						7.9	9.2
SW	1.2	6.2	7.5	4.7	.9							20.4	8.7
WSW	1.4	3.4	7.6	6.8	1.0							20.2	9.6
W	.0	2.1	3.5	2.3	.3	.1						8.9	9.1
WNW	1.1	1.1	.5	.3								3.0	5.5
NW	.9	.6	1.0	.3								2.8	6.3
NNW	.0	.4	.2	.3								1.5	5.4
VARBL	.4	.2										.6	2.8
CALM												8.1	
	11.4	25.9	31.1	19.0	3.1	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1080

DATE PREPARED: 11-1-78  
 BY: J. S. W.  
 TITLE: SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1206 STATION NAME: ALL WEATHER YEARS: 51-69 MONTH: 2100-2300  
 CLASS: HOURS (LST):  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.3	.4									1.2	4.8
NNE	.1	.1	.1	.1								.4	7.8
NE	.3	1.6	1.0	.4								3.2	6.5
ENE	.5	1.0	.9	.2								2.6	5.5
E	1.1	1.2	.9									3.1	5.1
ESE	.9	.6		.2								1.7	4.2
SE	1.4	.6	.3									2.0	4.0
SSE	1.1	1.4	.3									2.7	3.9
S	2.9	9.0	5.4	1.4	.6	.1						19.3	6.6
SSW	2.5	10.0	5.7	1.5	.9							20.6	5.9
SW	1.9	6.7	3.1	3.6	.4	.1						17.7	7.6
WSW	1.3	2.9	1.5	.6								6.2	6.1
W	.5	1.0	1.7	.3								3.4	7.1
WNW	.5	.1		.2								.7	5.4
NW	.1	.3	.4	.1								.4	7.4
NNW	.1	.4	.3									.7	5.9
VARBL	.7											.5	2.4
CALM												13.1	
	15.0	36.9	23.9	8.4	1.2	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION  
 NATAL/USAR  
 AIR WEATHER SERVICE/AL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

STATION

WRL ON SPAIN

STATION NAME

58-70

YEARS

AY

MONTH

ALL WEATHER

CLASS

0000-0700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.3	.3	.2								1.5	5.1
NNE	.9	.9	.1									1.8	3.8
NE	.4	1.1	.3	.3								1.9	6.3
ENE	.3	.4	.3									1.7	5.4
E	1.0	1.1	.4	.1								2.5	4.5
ESE	2.7	1.1	.2	.2								4.1	3.4
SE	3.5	1.3	.4									5.3	3.4
SSE	1.5	1.7	.4									3.5	4.1
S	3.1	9.0	7.2	1.1	.2							20.5	6.3
SSW	2.7	7.5	6.1	1.2	.1							17.6	6.4
SW	1.5	3.7	3.1	2.1	.1							10.6	7.4
WSW	.7	1.8	1.1	.4								3.9	6.3
W	.5	.6	.3									1.4	4.7
WNW		.1	.4									.4	7.4
NW	.1	.1	.1			.1						.4	9.3
NNW	.2	.5	.1									.2	4.6
VARBL	.4	.3										.7	2.8
CALM												22.2	
	20.2	31.4	20.4	5.4	.4	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

1140



2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 STATION NAME NORTH AND SPAIN YEARS 59-70  
 CLASS ALL WEATHER MONTH 0300-0500  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7		.1								1.4	3.4
NNE	1.1	1.1	.1									2.3	3.8
NE	1.1	.6	.4	.3								2.5	5.2
ENE	.8	.7	1.1	.1								2.6	5.5
E	1.5	2.0	1.0	.4	.1							5.4	5.6
ESE	4.5	1.5	.1	.2								4.2	3.1
SE	2.0	1.8	.3									4.6	3.5
SSE	1.3	2.2	.4									3.9	4.4
S	2.0	6.5	3.2	1.4	.1							14.0	6.2
SSW	2.0	6.5	3.6	.6								13.5	5.7
SW	1.1	2.1	1.2	1.2	.2							5.8	7.5
WSW	.5	1.3	.9	.4								3.2	6.8
W	.4	.4	.4	.1								1.3	5.8
WNW	.4	.2		.2								.8	5.4
NW	.1	.1	.1									.3	4.7
NNW	.2	.2										.4	3.5
VARBL	.8	.2										1.0	2.6
CALM												30.6	
	23.0	26.2	12.8	5.0	.4							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1140

DATA PROCESSING INSTRUCTIONS  
 USAF/USAF  
 AIR WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION NAME: NORTH AB SPAIN YEARS: 58-70 DAY: MONTH: 0600-0900 HOURS (L.S.T.):

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.6	.1								3.4	4.7
NNE	1.2	2.1	.9									4.1	4.7
NE	1.3	3.5	2.5	1.2	.2							8.7	5.9
ENE	.5	2.2	2.1	.6	.2							5.5	7.5
E	2.3	1.6	1.2	.1	.3							5.5	5.2
ESE	1.5	.5	.3									2.3	3.3
SE	1.2	.6	.1	.2	.1							2.1	4.9
SSE	.9	.3	.1									1.4	3.3
S	1.5	3.3	2.4	1.1								8.1	6.7
SSW	2.3	3.2	2.0	.9	.1							8.4	6.0
SW	1.1	2.9	2.4	1.6	.3							8.6	7.8
WSW	.7	1.0	1.0	.3	.1							3.2	5.6
W	1.6	.9	.5	.2								2.7	5.3
WNW	.3	.4	.3									1.1	4.6
NW	.3	.9	.2	.1								1.0	5.9
NNW	.4	.4		.1								.9	4.1
VARBL	1.0											1.0	2.3
CALM												32.6	
	18.6	24.5	16.5	6.6	1.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1165

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 MORON AB SPAIN

51-70

STATION

STATION NAME

YEARS

DAY  
MONTH

ALL WEATHER

CLASS

0000-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	.8									7.4	4.9
NNE	1.3	2.4	2.5	.2								6.7	5.9
NE	1.3	3.2	4.3	.9	.4	.1						10.7	7.7
ENE	.8	2.0	2.6	1.0	.1	.2						6.7	8.0
E	.9	1.1	1.6	1.1	.3	.1						5.1	5.5
ESE	.2	.3	.7									.7	3.3
SE	.3	.3	.3	.1								1.0	3.9
SSE	.5	.2	.1	.1								.7	4.0
S	.4	1.0	.9	1.3	.3	.1						4.0	9.9
SSW	.7	1.2	1.6	2.0	.2	.1						6.0	9.0
SW	1.2	2.0	4.0	2.6	.7	.1						10.5	9.1
WSW	.9	1.9	2.6	2.6	.3	.2						8.2	9.3
W	1.2	3.5	2.5	.7	.1							7.9	6.6
WNW	1.1	1.4	.5	.1								3.1	5.1
NW	.9	.9	.6	.1								2.4	5.3
NNW	.4	.4	.9									1.7	6.0
VARBL	3.5	2.5										8.0	3.1
CALM												13.4	
	19.0	26.3	25.8	12.6	2.2	.8						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

1176

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME YEARS MONTH HOURS (L.S.T.)

13024 NURET AD SPAIN 55-70 1200-1400

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	.9	.1								3.6	5.9
NNE	.5	2.0	.7	.1								3.2	5.7
NE	.3	1.6	2.4	1.0	.2							5.5	5.5
ENE	.2	1.1	1.4	.8	.2							3.8	8.8
E	.4	.8	2.0	.9		.1						4.1	8.3
ESE	.3	.3	.6	.9	.1							2.2	9.6
SE		.6	.4	.2								1.2	7.8
SSE	.2	.3	.2	.3								.9	7.3
S	.7	1.4	.7	.6	.3	.6						4.3	9.8
SSW	.6	1.0	2.2	2.4	.1	.2	.3					6.9	10.1
SW	1.1	1.6	4.9	4.0	.8	.3						12.8	10.0
WSW	.9	2.0	5.3	4.6	.6	.1						13.4	9.7
W	1.7	4.5	4.5	3.7	.3							14.8	8.3
WNW	.4	1.2	2.5									4.1	6.7
NW	1.2	.7	1.4	.3								3.6	6.4
NNW	.3	.9	.7	.2								2.0	6.3
VARBL	3.4	3.8										7.2	3.6
CALM												6.5	
	13.1	25.9	30.3	20.0	2.5	1.2	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1176

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 STATION NAME TIRO-AB SPAIN YEARS 3A-70 MONTH AY  
 CLASS ALL WEATHER HOURS (LST) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	1.0	.3								2.4	6.5
NNE	.3	1.1	1.5	.5								2.4	7.4
NE	.4	1.1	.8	.6	.2							3.1	8.2
ENE	.5	.8	.5	.5								2.4	7.0
E	.2	.7	1.8	.6	.2							2.5	9.0
ESE	.1	.4	1.2	.3	.1	.1						2.1	7.5
SE	.2	.6	.4	.4								1.5	7.7
SSE	.1	.1		.4								.6	10.6
S	.4	.9	.5	.6		.2	.1					2.4	9.1
SSW	.2	1.0	1.1	1.7	.5	.1	.1					4.6	11.3
SW	.6	1.8	3.7	6.3	2.1	.3						14.0	12.0
WSW	.5	3.2	8.4	7.6	1.0	.3	.1					21.6	10.5
W	.0	4.1	6.7	5.7	.7							17.8	8.5
WNW	.2	3.1	1.8	.3								5.4	6.5
NW	.5	1.3	1.4	.3								3.5	6.5
NNW	.3	.8	.6	.3								1.9	6.5
VARBL	2.6	2.6										5.1	3.6
CALM												3.8	
	8.0	24.5	31.5	26.4	4.7	.9	.3					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1137

2

DATA PROCESSING DIVISION  
AFAC/USAF  
AIR EAT OF SERVICE/AL

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION NAME 52-69 1Y  
STATION MONTH  
ALL WEATHER 1800-2000  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.2	.1								2.0	4.6
NNE	.5	1.2	.9	.4	.1							3.0	6.0
NE	.3	.5	.5	.1								1.4	6.4
ENE		.3	.1									.6	6.3
E	.2	.7	1.3	.3								2.5	7.7
ESE	.1	.7	.7	.5	.1	.1	.1					2.3	9.9
SE	.2	.5	.7	.3								1.7	7.3
SSE	.1	.3	.2									.5	5.0
S	.3	1.4	.5	.7								3.0	7.3
SSW	.6	2.2	3.0	1.9	.2	.2						8.0	9.0
SW	.5	3.4	8.2	6.5	1.3	.1	.1					20.7	10.4
WSW	1.3	4.1	10.9	8.8	1.9	.1						27.2	10.1
W	.5	3.9	5.4	3.3	.9							14.0	9.0
WNW	.4	1.5	1.2	.4								3.5	8.5
NW	.5	.6	.8	.2								2.2	6.4
NNW	.5	.8	.8	.1								2.2	5.8
VARBL	.3	.5										.8	3.7
CALM												5.2	
	7.2	23.7	35.4	23.5	4.3	.4	.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13024 STATION NAME: LORO AB SPAIN YEARS: 58-69 DAY: MONTH: 2100-2300  
 CLASS: ALL WEATHER  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.2	.1								1.5	4.1
NNE	.0	.4										1.3	3.1
NE	.2	.5	.3									1.0	5.6
ENE	.4	.4										.5	4.7
E	.4	.6	.4									1.3	6.1
ESE	.5	.4	.2		.4							1.3	7.4
SE	1.1	.9	.4	.1	.1							2.5	5.3
SSE	.0	1.2	.2									2.2	3.8
S	2.4	8.1	4.3	2.3	.1							17.2	6.6
SSW	2.9	9.2	7.3	2.9	.4							22.6	7.1
SW	1.5	3.7	7.4	4.0	.2							18.9	8.1
WSW	1.9	3.8	4.4	.8								10.9	6.6
W	.3	1.4	.3									2.2	5.0
WNW	.4	.6										1.0	3.9
NW	.2	.7	.3									1.2	5.1
NNW	.3	.3	.2									.7	4.8
VARBL	1.2	.1										1.3	2.3
CALM												12.3	
	15.8	34.8	25.8	10.2	1.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1115

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024  
 STATION

AFAC/USAF  
 STATION NAME

58-09  
 YEARS

YEARS

MONTH

ALL WEATHER  
 CLASS

0000-0700  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.4	.1								1.7	5.2
NNE	.7	1.2	.2									2.1	4.3
NE	.1	.5	.4									.9	6.0
ENE	.3	.8	.7									1.9	5.7
E	.7	.7	.1	.1								1.7	4.6
ESE	1.4	.6	.1	.1								2.6	3.4
SE	2.3	.5										2.3	2.7
SSE	2.1	2.1	.2	.1								4.5	3.8
S	0.0	10.6	7.8	1.9	.3							26.3	6.1
SSW	3.2	8.0	5.0	2.1	.5							18.8	6.7
SW	1.3	2.1	2.9	1.1	.3							7.7	7.3
WSW	1.5	1.8	2.2	.4								5.8	6.5
W	.3	.4	.6									1.2	6.5
WNW	.1	.6	.4									1.0	5.7
NW	.2	.5	.3									.9	5.3
NNW	.1	.3	.2									.6	5.2
VARBL	.0	.1										.7	2.4
CALM												18.4	
	22.0	31.4	21.3	5.8	1.0							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

1080



2

DATA PROCESSING DIVISION  
ETAL/USA-  
AIR WEATHER SERVICE/AT

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

STATION NAME

STATION

YEARS

MONTH

ALL WEATHER

0300-0600

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.3									.7	5.3
NNE	.8	.6	.3									1.7	4.4
NE	.5	1.0	1.3	.1								2.9	6.5
ENE	.7	1.6	.6	.3								3.1	5.4
E	1.4	1.5	1.0	.1								4.0	5.1
ESE	2.9	.6	.1									3.6	2.9
SE	2.7	1.2	.4									4.3	3.3
SSE	2.6	1.5	.2									4.3	3.6
S	3.5	6.3	3.4	.8	.1							14.2	5.7
SSW	2.8	5.6	3.1	1.4	.4	.1						13.2	6.5
SW	1.1	2.1	2.5	.7	.1							6.8	7.0
WSW	.4	1.2	1.2	.2								3.0	7.7
W	.2	.3	.2	.1								.7	6.6
WNW	.3	.2	.1									.6	3.8
NW	.2	.1		.1								.4	3.0
NNW	.2	.1										.4	3.3
VARBL	.6											.6	2.0
CALM												35.9	
	21.1	24.0	14.5	3.8	.9	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

1080

DATA PROCESSING UNIT  
 AFAC/USAF  
 AIR WEATHER SERVICE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 STATION NAME PORT AB SPAIN YEARS 56-70 MONTH 0000-0900  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.3									1.5	4.9
NNE	1.4	1.7	.5									3.5	4.5
NE	1.4	2.2	2.4	.5								6.6	6.4
ENE	1.4	2.1	1.4	.5								5.5	6.0
E	.4	1.0	.8	.4								3.4	6.1
ESE	.4	.9	.2									2.0	3.7
SE	.6	.0										1.2	3.4
SSE	.0	.4	.1									1.3	3.5
S	2.5	4.6	1.2	.3	.1							8.9	5.0
SSW	1.9	2.5	3.8	.8	.3							9.6	7.1
SW	1.5	3.1	2.7	1.2	.1							8.5	7.1
WSW	1.1	2.0	1.6	.7								5.3	6.8
W	.0	.9	.8	.4								2.7	6.5
WNW	.4	.3	.2									.8	4.0
NW	.2	.4										.6	4.3
NNW	.4	.3	.1									.7	4.3
VARBL	2.1	.1										2.0	2.4
CALM												35.3	
	18.0	25.4	16.1	4.6	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1124

DATA PROCESSING  
STAC/25A  
AIR CATER SERVICE/AL

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13024      USAFETAC SPAIN      50-10

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1900-1100

CLASS      HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.6	.9									5.1	4.5
NNE	1.1	2.3	1.3	.2								4.8	5.4
NE	.4	3.3	1.7	.8	.2							6.5	7.3
ENE	.7	1.8	1.7	1.1								5.3	7.3
E	.5	1.4	1.3	1.1	.3	.1						4.9	4.8
ESE	.4	.2	.3	.3								1.3	7.5
SE	.3	.3	.1									.5	4.1
SSE	.3	.1										.3	2.3
S	.9	.7	1.0	.3								2.9	6.1
SSW	1.1	1.8	2.0	1.8	.5							7.9	8.7
SW	.9	3.1	3.0	2.0	.5							10.1	8.3
WSW	.7	3.3	4.5	1.2	.1							9.8	7.8
W	2.1	3.1	1.8	1.1								8.2	5.2
WNW	1.1	1.6	.6	.1								3.4	4.9
NW	1.1	1.6	.3	.1								3.1	4.7
NNW	1.1	1.0	.4									2.5	4.5
VARBL	6.0	2.6	.1									9.3	3.0
CALM												14.6	
	20.7	30.9	22.2	10.0	1.0	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS      1146

2

STATION NAME  
160750  
1000 HOURS

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

160750  
STATION

1000 HOURS

STATION NAME

58-70

YEARS

ALL WEATHER  
CLASS

1200-1400  
MONTH  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	.7	.2								3.7	6.1
NNE	.3	1.3	.9	.2								2.6	6.2
NE	.3	1.1	1.2	.5	.1							3.2	7.8
ENE		.5	1.3	.3								2.2	8.3
E	.0	1.1	1.7	.7	.2							4.2	8.5
ESE	.3	.6	.0	.7	.1							2.3	9.0
SE	.3	.7	.6		.1							1.7	6.4
SSE	.4	.3	.3	.2								1.1	6.3
S	.0	2.1	.6	.0								4.1	6.4
SSW	.5	2.2	2.0	.9	.1							5.7	7.5
SW	.7	2.4	4.9	3.1	.9	.1						11.9	9.7
WSW	.6	2.8	6.0	4.1	1.3							15.0	9.7
W	1.1	3.0	6.7	3.0	.4							17.1	8.5
WNW	.4	1.6	2.1	.3								4.4	7.0
NW	.3	.9	.3	.3								1.7	6.4
NNW	.4	.8	.0									1.8	5.8
VARBL	4.3	6.4	.5									11.2	3.9
CALM												6.7	
	12.1	30.9	31.3	15.9	3.1	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1147

2

ATLANTA, GEORGIA  
 10070500  
 10070500

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10070500 STATION NAME ATLANTA, GEORGIA YEARS 53-70 MONTH 10-1700 HOURS 10070500

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.5	.2								2.6	3.0
NNE	.1	.7	.5	.3								1.7	7.4
NE	.1	.3	1.0	.1	.2							2.7	7.8
ENE	.1	.4	.7	.7								2.4	7.5
E	.6	.0	1.7	.7	.1							3.5	8.4
ESE	.2	.5	.9	.0	.3							2.6	10.3
SE	.1	.2	.9	.0								1.6	10.2
SSE	.1	.3	.4	.2								.9	7.4
S	.4	1.0	.8									2.2	5.7
SSW	.2	1.4	1.5	.3								4.7	9.1
SW	.4	1.3	3.6	4.3	.9	.3						11.3	11.2
WSW	.3	2.4	0.9	9.7	2.4	.7						21.9	11.5
W	.7	3.3	8.8	6.7	1.2	.3						23.2	12.2
WNW	.7	2.9	2.6	.5								6.8	6.7
NW	.5	.9	1.0	.2								2.6	5.4
NNW	.5	.5	.7									1.5	6.2
VARBL	2.2	3.2	.4									5.7	6.2
CALM												3.3	
	7.0	22.1	32.9	24.3	3.1	.7						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 1105

**UNCLASSIFIED**

USAFETAC/DS-80/087

NL

2005

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024  
STATION

EURON AB SPAIN  
STATION NAME

58-69  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.5	.4								2.1	7.1
NNE	.1	.2	.2									.5	6.4
NE		.3	.6	.2	.1							1.1	9.4
ENE	.1	.6	.2	.1								1.0	5.7
E	.1	.6	.4	.1								1.1	6.7
ESE	.1	.7	1.0	.9	.2							3.0	9.9
SE	.2	.1	.9	.6								1.9	9.7
SSE	.1	.1	.3	.2								.6	8.4
S	.1	.9	.6	.2								1.8	7.2
SSW	.1	.6	2.4	.9	.1	.1						4.3	9.5
SW	.6	3.2	9.3	8.1	1.6	.4						23.1	10.6
WSW	.6	5.2	11.9	12.5	3.0	.4						33.5	10.8
W	.5	3.0	6.8	5.9	1.7	.1						17.9	10.5
WNW	.6	.6	.5	.4								2.0	6.7
NW	.4	.1	.4	.2	.1							1.1	7.8
NNW	.3	.4	.6	.2								1.4	7.1
VARBL	.6	.3										.9	3.2
CALM												2.8	
	4.7	17.8	36.3	30.8	6.7	.9						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1080

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024      MURDT AB SPAIN      58-69      JUN  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      2100-2300  
CLASS      HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.1									.7	4.5
NNE	.2		.2									.4	5.3
NE		.3	.6									.8	7.0
ENE	.1											.1	2.0
E	.4	.3	.1									.7	4.1
ESE	.5	.3	.1	.1	.2							1.1	7.7
SE	.1	.3	.3									.6	6.0
SSE	.4	.6	.1									1.0	4.1
S	1.9	6.0	4.0	1.3		.1						13.3	6.6
SSW	2.9	9.3	9.3	4.4	1.2							26.9	7.8
SW	2.5	8.0	6.9	4.1	.6							22.0	7.7
WSW	2.0	4.1	4.2	2.7	.2							13.1	7.6
W	.5	2.2	2.7	.9								6.3	7.5
WNW	.3	.4	.7									1.4	6.1
NW	.6	.1	.1									.7	3.3
NNW	.1	.3	.2									.6	6.7
VARBL	.5											.5	2.2
CALM												9.4	
	13.1	32.5	29.4	13.4	2.1	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS      1080



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ALC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 MURRIN AB SPAIN 58-69 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.5									1.7	3.3
NNE	.2	.1										.3	3.7
NE	.2	.4	.1									.7	4.5
ENE	.2	.1										.3	3.0
E	.5	.5	.3									1.3	4.1
ESE	2.3	1.0	.1	.2								3.6	3.6
SE	1.7	1.2	.2									3.6	3.6
SSE	1.5	2.2	.7	.1								4.6	4.6
S	4.0	12.5	9.4	1.5								27.4	6.1
SSW	2.1	8.7	6.5	1.6								18.8	6.6
SW	1.7	3.4	2.3	1.5	.1							9.1	6.9
WSW	1.1	1.6	.8	.2								3.7	3.4
W	.9	1.8	.5	.2								3.4	3.3
WNW	.6	.3	.5	.1								1.5	3.4
NW	.4	.3	.1									.8	3.6
NNW	.3	.4	.3	.1								1.1	3.8
VARBL	1.1											1.1	2.3
CALM												17.7	
	19.3	39.2	22.3	5.5	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1116

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13024  
 STATION

MURLIN AB SPAIN  
 STATION NAME

58-69  
 YEARS

JUL  
 MONTH

ALL WEATHER  
 CLASS

0300-0500  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	.2									1.5	4.8
NNE	1.3	1.0	.4									2.7	4.1
NE	.7	.9	.3	.3								2.2	5.8
ENE	.8	.9	.5	.1								2.3	5.3
E	1.6	2.1	.4	.1								4.4	4.4
ESE	5.0	1.3	.5									6.9	3.3
SE	3.4	2.3	.9	.1								6.7	4.2
SSE	2.0	1.7	.8	.2								4.7	4.3
S	2.7	6.5	3.7	.1								13.0	5.4
SSW	1.3	5.9	3.9	1.6								12.6	6.8
SW	1.1	1.9	1.4	.7								5.1	6.7
WSW	.7	1.1	1.0	.1								2.9	5.9
W	.3	.7	.1									1.1	4.5
WNW	.4	.1										.5	2.8
NW	.4											.4	2.5
NNW	.4	.1										.4	3.0
VARBL	1.2	.1										1.3	2.6
CALM												31.3	
	23.7	27.8	14.1	3.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

1116

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/ETAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024  
STATION

MORON AB SPAIN  
STATION NAME

58-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.1	.4	.3	.1							3.5	5.0
NNE	1.1	1.9	.8	.1								4.0	5.0
NE	1.8	2.5	1.6	.4	.1							6.3	5.7
ENE	1.2	1.4	1.6	.4								4.6	6.0
E	1.9	1.4	.6	.4								4.4	4.8
ESE	4.0	.9	.1									4.9	2.8
SE	1.3	.6	.4		.1							7.5	4.5
SSE	.4	.9		.2								1.5	4.7
S	2.1	3.3	1.0	.4								6.8	5.0
SSW	1.8	3.4	3.4	1.1								9.7	6.7
SW	.9	2.5	2.0	1.1								6.4	7.0
WSW	.8	1.1	.7									2.5	5.0
W	.8	.4	.3	.1								1.6	4.6
WNW	.4	.4	.2									.9	4.1
NW	.5	.4										1.0	3.1
NNW	.6	.7	.2									1.5	4.4
VARBL	1.9	.1										2.0	2.6
CALM												36.0	
	23.2	22.9	13.3	4.3	.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

1138

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 GUNO AB SPAIN 50-70 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.9	.7									5.5	4.4
NNE	.9	3.2	1.3	.6								6.0	6.2
NE	1.1	2.4	2.2	.2								5.8	6.1
ENE	.5	2.2	1.4	.3	.1							4.4	6.6
E	.4	.7	.8	.5								2.5	7.6
ESE	.6	.6	.3	.2								1.6	5.5
SE	.3	.3	.3	.2								.9	6.6
SSE	.4											.4	2.4
S	.8	1.5	.3	.1								2.7	5.1
SSW	.3	1.9	2.2	.8								5.2	7.7
SW	.8	3.4	4.3	1.6								10.2	7.6
WSW	.9	3.3	4.6	.8	.1							9.7	7.1
W	1.8	3.8	1.9	.9								8.5	5.9
WNW	1.9	1.4	.2									3.4	3.9
NW	1.7	1.2	.3	.1								3.2	3.9
NNW	.9	1.6	.3									2.9	4.1
VARBL	9.1	3.4	.2									12.6	3.0
CALM												14.6	
	24.3	33.6	21.2	6.3	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1182

DATA PROCESSING DIVISION  
 FTAG/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024      MORON AB SPAIN      58-70      JUL  
STATION      STATION NAME      YEARS      MONTH  
 ALL WEATHER  
CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	.8	.2								4.1	5.4
NNE	.4	.9	.8	.3								2.4	6.5
NE	.3	.8	.7	.1								1.9	6.4
ENE		.1	.8	.3								1.3	7.5
E	.3	1.1	1.0	.6								3.0	7.4
ESE	.2	.3	.5	.8								1.8	9.3
SE	.1	.4	.6	.1								1.2	7.1
SSE	.3	.7	.3	.1								1.6	5.3
S	.5	1.4	1.1	.3								3.2	6.2
SSW	.6	1.4	2.1	.1								4.7	6.4
SW	.3	3.8	5.3	3.1	.4							13.2	8.7
WSW	.6	4.0	7.6	3.6	.3							16.0	8.8
W	.7	6.7	8.4	2.3	.2							18.2	7.7
WNW	.6	2.9	2.2	.3								5.9	6.6
NW	.4	1.2	.7	.1								2.4	5.8
NNW	.6	1.6	.4	.1								2.7	5.0
VARBL	3.3	8.4	1.0									12.7	4.5
CALM												4.3	
	10.6	37.6	34.3	12.1	.8							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS      1162

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

MIRID AB SPAIN

58-70

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	.8	.2								2.3	6.7
NNE	.3	.5	.4									1.1	5.3
NE	.3	.3	.7	.3								1.5	7.7
ENE	.3		.5									.8	6.9
E	.2	.4	.8	.4								1.8	8.0
ESE	.1	.4	.6	.4	.1							1.5	9.3
SE	.1	.4	.4	.5								1.4	9.1
SSE		.4	.2									.5	6.0
S	.1	.9	.6	.2								1.8	7.0
SSW	.3	.8	1.6	.5	.3							3.4	8.9
SW	.2	2.0	6.0	4.4	.8							13.3	10.3
WSW	.3	3.1	14.0	7.6	1.3							26.2	10.0
W	.5	5.2	12.1	7.8	.3							26.5	9.4
WNW	.1	2.5	2.1	.7	.1							5.4	7.6
NW		1.7	1.2	.4								3.2	7.2
NNW	.1	.5	.5	.2		.1						1.4	8.4
VARBL	.9	4.6	.5									6.0	4.7
CALM												1.7	
	3.6	24.7	43.0	23.5	3.4	.1						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

1139

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAO

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

19024

MIDWAY AB SPAIN

58-69

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.2									.4	6.0
NNE	.4		.4	.3								1.0	7.8
NE	.2	.6	.3									1.1	5.3
ENE		.4	.3	.1								.8	7.2
E		.6	.2	.3								1.1	8.0
ESE	.2	.1	.6	.2	.2							1.3	9.9
SE		.5	.4	.4								1.4	9.0
SSE		.1	.2	.1								.4	8.8
S		.1	.4	.4								.9	10.6
SSW		1.0	1.6	1.0	.2							3.8	9.6
SW	.3	2.0	9.1	7.6	1.9							20.9	10.7
WSW	.3	2.1	15.2	16.8	1.6	.1						36.1	11.0
W	.3	3.1	9.8	10.4	1.2	.2						24.9	10.7
WNW		.7	.6	.2	.1							1.6	8.1
NW	.2	.8	.3	.2								1.4	6.2
NNW	.2	.2	.4	.1								.8	6.7
VARBL	.6	.4										1.0	3.2
CALM												1.2	
	2.6	12.9	39.9	38.1	5.1	.3						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

1116

2

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION 13024 NAME AB SPAIN YEARS 58-69 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.2									.4	6.0
NNE		.1		.1								.2	8.0
NE		.1										.1	4.0
ENE		.3										.3	4.7
E			.4									.4	8.8
ESE	.4	.6	.2	.1								1.3	5.2
SE	.2	.4	.3				.1					1.0	7.8
SSE	.4	.4	.1									.6	4.4
S	1.3	6.2	5.8	1.2	.1							14.6	6.8
SSW	1.2	8.1	9.1	3.8	.4							22.4	7.9
SW	2.0	9.1	12.2	4.8	.1							28.2	7.8
WSW	.4	5.3	6.2	2.9	.1							14.8	8.0
W	.7	2.5	3.0	1.2								7.4	7.4
WNW	.4	.4	.3									1.1	5.3
NW	.3	.2	.3									.7	5.4
NNW	.3	.5		.4								1.2	6.0
VARBL	.6	.1										.7	2.8
CALM												4.2	
	8.1	34.7	38.0	14.3	.6		.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1116



DATA PROCESSING DIVISION  
ETAC/USAF  
AFIP WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION 13024 NAME AB SPAIN YEARS 58-70 MONTH 0000-0200  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.4									1.3	5.1
NNE	.4		.1									.4	3.4
NE	.4		.1									.4	3.4
ENE	.3	.4	.1	.2								.7	6.1
E	1.4	.5	.5	.3								2.7	5.0
ESE	2.0	.9	.2		.1							3.0	3.4
SE	1.5	1.1	.2									2.8	3.7
SSE	1.4	1.3	.2	.1								3.4	3.7
S	2.4	11.2	10.4	3.1								27.1	7.0
SSW	2.5	8.4	9.8	1.6								22.4	6.8
SW	.8	3.8	1.8	.5								7.0	6.2
WSW	1.0	1.5	.7	.1	.1							3.4	5.6
W	1.3	1.0	.7	.2								3.2	4.6
WNW	.3	.4	.2									.9	4.4
NW	.1	.2	.1									.4	5.3
NNW	.2	.3	.3	.1								.8	6.4
VARBL	.4											.8	2.5
CALM												18.2	
	18.3	31.5	25.7	6.2	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1118

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

NAME: AB SPAIN

58-69

7-80

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0100-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.1									1.4	3.6
NNE	.5	.9	.3	.2								2.2	5.2
NE	1.6	.9	.6	.3								3.4	5.8
ENE	.6	.4	.1	.4								1.5	6.5
E	1.0	1.3	1.0	.1								3.7	4.7
ESE	3.1	2.0	.6	.1								7.8	3.6
SE	3.2	1.0	.7									4.9	3.7
SSE	1.4	1.3	.2									3.7	3.7
S	2.2	6.5	3.5	.2								12.3	5.6
SSW	1.7	6.6	4.1	1.2								13.6	6.4
SW	1.1	2.4	1.2	.6								5.3	6.2
WSW	.6	.4	.2	.2								1.5	4.7
W	.8	.3	.4	.1								1.5	4.8
WNW	.2	.2	.1									.4	4.8
NW		.3										.3	4.7
NNW		.3										.3	4.7
VARBL	.3											.3	2.2
CALM												36.1	
	22.4	25.3	13.0	3.2								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

1116

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024      MURPHY AB SPAIN      58-70      1958

STATION      STATION NAME      YEARS

ALL WEATHER

CLASS

CONDITION

0600-0800

MOON      MONTH      HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	.3									2.9	3.9
NNE	1.4	1.8	.5		.1							4.4	4.5
NE	1.7	2.9	.9	.5	.1							6.1	5.8
ENE	1.2	1.8	.9	.5	.1							4.4	6.0
E	2.0	2.2	.6	.1								4.7	4.3
ESE	3.0	1.6	.2									4.7	3.3
SE	1.3	1.1	.4									2.9	4.0
SSE	1.1	1.0	.4									2.4	4.2
S	2.0	3.3	1.8	.4								7.5	5.4
SSW	1.1	3.9	2.4	.8	.3							8.4	6.7
SW	1.6	2.9	2.5	.3								6.8	6.0
WSW	.9	1.8	.6									3.2	5.0
W	.5	.7		.2								1.4	4.9
WNW	.3	.7	.1									1.1	4.3
NW	.1	.5										.6	4.9
NNW	.4	.4	.1									.9	4.0
VARBL	1.1	.3	.2									1.5	3.2
CALM												36.1	
	20.8	28.2	11.7	2.7	.5							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS      1140

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/HAC

2

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 MURGE AB SPAIN 56-70 1966  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER  
 CLASS  
 CONDITION  
 0900-1100  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.2	1.0	.1								7.1	4.5
NNE	1.7	2.4	1.9	.1								6.7	5.6
NE	1.4	2.7	2.1	.5								6.7	6.1
ENE	.8	1.7	2.3	.2								4.9	6.3
E	.8	1.4	.9	1.4	.2							4.5	8.4
ESE	.5	.3	.4	.3	.1							1.5	7.5
SE	.3	.2										.5	3.3
SSE	.3	.2	.1									.5	4.0
S	1.5	.9	.7	.6								3.7	5.8
SSW	.4	1.5	1.5	.8								4.3	7.5
SW	.7	2.6	3.4	2.0	.1							8.8	8.0
WSW	.4	3.2	3.1	.8	.2							7.7	7.2
W	1.8	3.9	1.9	.3	.2							8.0	5.7
WNW	1.3	1.9	.6									3.8	4.6
NW	.8	1.9	.1									2.9	4.2
NNW	1.2	1.3	.3	.1								2.8	4.3
VARBL	5.4	3.9	.2									9.5	3.5
CALM												16.7	
	22.0	33.1	20.4	7.2	.7							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1183

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAG

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 TORRE AH SPAIN

58-70

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	.9	.3								4.8	5.6
NNE	.4	1.0	1.1									2.5	5.8
NE	.5	.9	1.2	.2								2.8	6.5
ENE	.3	.6	1.1	.3								2.5	7.2
E	.5	.9	.9	.8	.5	.1						3.7	9.7
ESE	.2	.6	1.0	.5	.1							2.4	9.0
SE	.3	.3	.4	.1								1.0	6.8
SSE	.6	.5	.2									1.3	4.1
S	.7	1.5	.3	.2								2.6	4.9
SSW	.4	1.4	1.5	.6	.1							4.6	7.3
SW	.8	2.8	4.5	2.7	.3	.1						11.1	8.7
WSW	.7	3.5	4.6	4.1	.7							13.5	9.3
W	.9	6.1	8.8	2.0	.3							18.1	7.8
WNW	.8	2.7	2.1	.2								5.8	6.0
NW	.7	1.8	.8	.2								3.4	5.6
NNW	.6	2.7	.6									4.2	5.4
VARBL	4.1	5.6	1.2	.3								11.1	4.5
CALM												5.5	
	13.3	35.5	31.4	12.2	1.9	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1180

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 MURON AB SPAIN 56-70 AUG  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	.7	.1								2.2	6.0
NNE	.4	.4	.4									1.3	5.2
NE	.3	.6	.9	.1								1.8	6.7
ENE	.4	.4	.7	.3								1.7	7.4
E	.2	.4	1.8	1.2	.6	.3						4.6	11.6
ESE	.2	.3	1.5	.7	.3							7.9	9.8
SE	.1	.2	.5	.3								1.1	8.4
SSE	.2	.2	.1	.1								.5	5.7
S	.3	1.0	.7									1.9	6.1
SSW	.3	1.4	1.2	.5								3.4	7.4
SW	.3	1.8	4.0	4.2	.6							10.9	10.5
WSW	.4	2.6	6.7	10.3	1.3	.1						21.7	11.2
W	.8	5.5	10.9	7.2	.8	.1						23.2	9.4
WNW	.6	3.2	2.1	.9								6.7	7.0
NW	.2	2.5	1.1	.4								4.1	6.4
NNW	.4	1.3	.9									2.6	5.7
VARBL	.6	3.2	.6	.2								4.6	5.2
CALM												2.6	
	5.8	26.1	34.9	26.5	3.6	.4						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1142

DATA PROCESSING DIVISION  
DTIC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 MURJIA AB SPAIN 58-70  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1600-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.1									.6	5.3
NNE	.2	.1	.3									.5	5.8
NE	.3		.1									.4	4.3
ENE	.2	.4	.2	.1								.8	6.0
E	.4	.4	.9	.4								2.1	7.6
ESE	.2	1.3	.8	1.6	.2							4.1	9.8
SE	.4	.3	.5	.4	.2							1.9	8.8
SSE	.2	.2	.1									.4	4.4
S	.2	.5	.5	.3								1.5	7.2
SSW	.1	1.1	1.8	1.9	.1							4.9	9.7
SW	.3	1.6	6.3	10.1	1.3							19.5	11.4
WSW	.4	2.6	11.9	16.8	2.4							34.1	11.3
W	.3	3.6	9.7	6.7	.9							21.1	9.9
WNW	.3	1.5	.8	.3								2.9	6.6
NW	.2	.9	.3									1.3	5.1
NNW	.4	.4	.4									1.2	4.8
VARBL	.3	.3										.5	3.5
CALM												2.1	
	4.2	15.6	34.6	38.6	5.0							100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 1117

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION 13024 NAME AIR AB SPAIN CLASS ALL WEATHER YEARS 58-69 MONTH AUG NORTH 2100-2300 HOURS (L.S.T.)

STATION NAME CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2										.3	3.7
NNE	.2		.1									.3	4.7
NE													
ENE													
E		.2	.4	.1	.1							.8	9.1
ESE	.3	.3	.5	.6	.2							1.9	9.8
SE	.4	.4	.4	.2	.1							1.5	6.7
SSE	.3	.6	.1									1.0	4.6
S	.6	4.3	4.7	2.0								11.6	7.7
SSW	1.7	7.7	11.4	5.6	.3							26.7	8.2
SW	1.9	6.2	12.5	4.1	.2							24.8	8.0
WSW	1.5	4.6	7.3	2.4	.1							15.9	7.6
W	.7	3.6	2.8	.4	.2							7.7	6.8
WNW	.2	.4	.2									.8	5.3
NW	.3	.6	.1									1.0	4.3
NNW		.4	.2									.5	6.3
VARBL	.8											.8	2.2
CALM												4.4	
	9.0	29.4	40.7	15.5	1.1							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1116



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 MORDI AB SPAIN

58-69

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.5									2.7	4.5
NNE	.5	.4	.2									1.4	3.7
NE	.4	.4	.1									.8	3.8
ENE	.4	.5	.1	.3								1.2	6.1
E	.7	1.2	.6									2.5	4.8
ESE	2.2	1.1	.2									4.1	3.3
SE	2.1	.9	.6	.1								3.8	4.2
SSE	1.5	1.0	.1									3.6	3.6
S	3.7	10.0	7.4	2.4								23.5	6.4
SSW	1.9	6.0	7.3	2.6	.3	.2						18.3	7.7
SW	.9	2.5	2.1	.7	.1							6.4	6.9
WSW	.5	1.9	1.0									3.3	5.6
W	.6	1.4	.4	.2								2.6	5.2
WNW	.4	.2	.2									.7	4.5
NW	.3	.7	.2	.1								1.3	3.4
NNW	.2	.4	.1									.6	4.3
VARBL	.4	.1										.5	2.8
CALM												22.6	
	19.0	30.5	21.0	6.4	.4	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

1080

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 STATION MURON AB SPAIN STATION NAME 58-69 YEARS SEP MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.1									1.3	3.8
NNE	1.3	.7	.1	.1								2.2	4.1
NE	1.2	1.2	.4	.2								3.0	4.6
ENE	.9	1.1	.6	.2								2.8	5.0
E	2.3	2.6	.6									5.5	4.3
ESE	4.5	1.7	.3									6.7	3.3
SE	3.8	1.8	.5									6.0	3.5
SSE	1.3	1.4	.2									2.9	3.8
S	2.1	8.5	3.7	.7	.1							15.2	6.0
SSW	1.9	4.0	5.2	.8	.1							12.0	6.8
SW	.5	1.7	2.3	.8	.1							5.4	8.0
WSW	.4	1.1	.6	.6								2.7	7.3
W	.4	1.0	.2	.3								1.9	5.7
WNW	.3	.1	.1	.1								.6	5.3
NW	.4	.1										.5	3.0
NNW	.1	.1										.2	3.5
VARBL	.2	.1										.3	3.0
CALM												31.1	
	22.2	27.7	14.8	3.9	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION  
AFAC/USAF  
AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13024  
STATION

BUKH AB SPAIN

STATION NAME

58-70

YEARS

SEP

MONTH

ALL WEATHER

C600-0800

CLASS

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5										1.0	3.5
NNE	1.0	1.1	.2									3.1	3.6
NE	2.3	2.1	.5	.5								5.4	4.7
ENE	1.5	1.6	1.8	.5	.1							5.4	6.4
E	2.2	2.5	.6	.9								5.5	4.7
ESE	3.5	1.5	.2									5.5	3.2
SE	2.4	1.2	.1									3.6	3.3
SSE	1.3	1.2	.4									2.8	4.2
S	1.5	4.5	2.3	.5	.1	.1						9.0	6.0
SSW	1.4	5.1	4.3	.9		.1						11.7	6.7
SW	1.0	1.9	2.4	.6	.1							6.0	7.0
WSW	.5	.7	1.0	.3								2.5	6.5
W	.7	1.3	.2	.1	.1							2.4	5.3
WNW	.5	.4		.1								.9	4.5
NW	.2	.1		.1	.1							.5	8.8
NNW	.5											.5	1.8
VARBL	.3											.3	2.0
CALM												34.2	
	21.4	25.7	13.9	3.7	.5	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

1101

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/FTAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION 13024 NAME AB SPAIN YEARS 58-70 MONTH 5-6  
 CLASS ALL WEATHER  
 HOURS 0900-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	.7	.1								3.9	4.4
NNE	2.0	2.2	1.1	.2								6.1	4.8
NE	1.1	1.9	1.9	.5								9.6	6.3
ENE	1.6	1.7	2.2	.6								6.8	6.2
E	1.1	1.2	1.5	.9	.3							5.8	7.5
ESE	.7	.3	.6	.2								1.8	5.7
SE	.3	.4	.3	.3								1.3	7.3
SSE	.3	.4										.8	3.8
S	1.1	.8	.9	.2								3.0	5.6
SSW	.8	1.3	2.7	1.1	.2	.1						6.2	8.3
SW	.6	2.9	4.0	2.7	.2	.1						10.4	8.5
WSW	1.3	3.2	2.9	1.9	.1	.1						9.5	7.7
W	1.6	3.0	1.4	.2	.1	.1						6.3	5.7
WNW	1.8	1.2	.5									3.1	4.2
NW	1.0	1.3	.3									2.6	4.0
NNW	1.2	1.7	.1									3.6	4.0
VARBL	3.8	3.1	.5	.1								7.6	3.9
CALM												17.7	
	22.0	28.6	21.6	9.0	.8	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1143

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024

LEON AB SPAIN

56-70

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	.5	.1								3.2	5.1
NNE	.5	1.1	.6	.2								2.4	5.8
NE	.7	1.2	1.0	.3								3.2	6.6
ENE	.1	.7	1.0	.4								2.2	7.9
E	.4	1.0	1.0	1.0	.2							3.6	8.7
ESE	.5	.3	.3	.8	.1							2.0	9.0
SE	.5	.3	.7									1.6	5.4
SSE	.3	.4	.2	.1								1.0	5.5
S	.8	2.0	.5	.1								3.4	4.9
SSW	.6	1.9	1.5	1.0	.2							5.7	7.9
SW	.9	2.6	2.5	2.6	1.0	.1						9.8	9.5
WSW	.7	3.4	4.8	5.6	.9							15.4	9.7
W	1.6	6.0	6.5	1.7	.8	.3						17.0	8.1
WNW	.3	2.6	1.2	.4								4.6	6.6
NW	.6	1.7	.9	.1								3.3	5.6
NNW	.7	1.1	.8	.1								2.7	5.5
VARBL	3.6	6.4	1.3	.2								11.5	4.6
CALM												7.8	
	13.6	34.8	25.5	14.7	3.1	.4						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1143

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024      AURUM AB SPAIN      59-70      SEP  
STATION      STATION NAME      YEARS      MONTH  
 ALL WEATHER      1500-1700  
CLASS      HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	.5	.2								2.4	5.9
NNE	.1	.5	.6	.2								1.4	7.4
NE		1.6	.7	.3								2.6	6.6
ENE	.3	.5	.8	.5								2.2	8.2
E	.4	.3	1.8	1.0	.2	.1						3.7	10.2
ESE	.2	.5	.7	.7	.2							2.3	9.4
SE	.3	.4	.4	.1								1.1	6.3
SSE	.1	.1	.5									.6	7.1
S	.3	.5	.7	.3	.1							2.2	7.0
SSW	.3	.8	1.6	1.2	.2							4.1	9.5
SW	.8	1.4	2.7	5.0	1.1							11.0	10.8
WSW	.5	3.0	5.2	10.5	1.7	.1						21.1	11.3
W	1.3	5.7	8.6	6.5	.6	.3						23.0	9.3
WNW	1.0	2.2	2.6	.6	.1							6.5	6.9
NW	.1	1.0	1.2	.2								2.4	7.5
NNW	.5	.9	.2									1.6	4.6
VARBL	2.6	3.4	.4									6.4	4.0
CALM												5.3	
	9.2	24.3	29.3	27.2	4.2	.5						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS      1105

DATA PROCESSING DIVISION  
STAC/USA  
AIR WEATHER SERVICE/AC

2

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024	MURPHY AIR SPAIN	58-70	SEP
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1800-2000
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.4									.4	5.6
NNE	.3	.4	.4									1.1	5.8
NE	.1	.3	.2	.1								.4	6.9
ENE	.4	.4	.4	.3								1.4	6.3
E	.7	1.0	1.2	.4	.1							2.4	6.8
ESE	.1	.4	.9	.9	.2							2.5	10.7
SE	.4	.8	.7	.2								2.1	6.5
SSE	.2		.4									.4	6.5
S	.2	.6	.6	.3	.1							1.4	8.0
SSW	.5	.7	2.4	1.4								5.4	8.2
SW	.5	1.7	7.1	7.4	1.3							17.4	10.9
WSW	.6	2.9	10.5	16.1	1.2							31.2	11.0
W	1.2	5.4	7.1	6.2	.4							20.7	9.0
WNW	.6	1.5	.6	.2	.1							3.0	6.2
NW	.3	.7	.6	.3								1.8	7.2
NNW	.4	.4	.2									.9	4.7
VARBL	.1											.1	2.0
CALM												5.1	
	6.4	17.3	33.7	33.6	3.3							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1082

ATLANTA, GEORGIA  
 TMC/USAF  
 AIRCRAFT SERVICE/AS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13024 STATION NAME TMC/USAF YEARS 1969  
 CLASS ALL WEATHER  
 MONTH 3FF  
 HOURS 2100-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.1	.1								.7	5.1
NNE	.3	.1	.2									.6	4.8
NE	.4	.2	.1									.6	4.3
ENE	.1	.1	.1	.1								.6	4.4
E	.4	.5	.4									1.7	5.1
ESE	1.1	.8	.7	.1	.1							3.7	5.5
SE	.0	.2	.9									1.9	5.4
SSE	.5	.5	.1									1.0	4.0
S	1.8	4.8	6.3	1.6	.2	.1						14.7	7.4
SSW	2.0	8.1	12.0	3.8	.1							26.0	7.7
SW	2.0	4.9	8.9	4.2	.2							20.7	8.2
WSW	1.2	3.5	4.3	1.2								10.2	7.6
W	1.8	2.7	1.9	.7								7.1	6.1
WNW	.6	.6	.4	.1								1.6	5.4
NW	.4	.1	.3	.1								.8	6.2
NNW	.1	.1										.2	4.0
VARBL	.3	.1										.4	7.5
CALM												9.6	
	13.4	27.4	36.7	11.3	.0	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1080



2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13024  
 STATION

MINUTAH SPAIN

STATION NAME

58-70

YEARS

CT

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.3									1.0	4.0
NNE	1.0	1.1	.7	.1								3.5	4.7
NE	1.3	1.4	.7	.3								3.0	5.3
ENE	.7	1.3	1.3	.1								3.4	5.6
E	1.3	1.6	1.0	.1								3.0	5.2
ESE	3.5	1.6	.4	.3	.1	.1						6.0	4.5
SE	2.5	1.3	.7	.2								4.6	4.4
SSE	2.1	1.6	.8	.2								4.7	4.7
S	2.6	7.5	5.6	1.4	.2		.1					17.4	6.6
SSW	1.2	3.7	3.0	1.0	.5							9.4	7.5
SW	.6	1.7	1.6	.6	.1							4.7	7.1
WSW	.6	1.0	1.2	.6	.1	.1						3.6	7.0
W	.6	1.2	.8	.3	.2							3.0	6.8
WNW	.3	.5	.2	.1								1.1	5.2
NW	.4	.5	.1									1.1	4.3
NNW		.4	.2									.5	6.2
VARBL	.2											.2	2.5
CALM												27.4	
	20.3	27.1	18.5	5.2	1.2	.2	.1					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

1117

2

DATA PROCESSING DIVISION  
 STAG/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024  
 STATION

13024 AB SPAIN

STATION NAME

58-70

YEARS

CT

MONTH

ALL WEATHER

0300-0500

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.6	.2	.1								1.7	4.6
NNE	1.3	1.4	.5	.1								3.3	4.6
NE	1.8	1.5	1.1	.2								4.6	4.9
ENE	1.0	2.2	.9	.8								4.9	6.2
E	1.7	2.2	1.3	.5								5.7	5.6
ESE	3.5	.6	.7	.3								5.1	4.2
SE	1.8	1.7	.7	.2								4.4	4.7
SSE	1.3	1.2	.4									2.9	3.9
S	2.1	4.9	3.2	1.3		.1						11.6	6.8
SSW	1.2	3.0	2.9	.8	.1	.1						8.1	7.0
SW	1.7	1.9	1.8	.5	.1							5.3	6.6
WSW	.7	1.1	.9	.4	.1							3.1	6.6
W	.5	.7	.5	.2								2.0	6.2
WNW		.2	.1	.1		.1						.4	11.8
NW	.1	.6	.1									.8	4.7
NNW		.3										.3	5.0
VARBL	.2											.2	2.3
CALM												35.6	
	18.9	24.3	15.2	5.5	.3	.3						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

1117

1  
2DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13024 STATION NAME: NORDBY AB SPAIN YEARS: 58-70 MONTH: OCT  
CLASS: ALL WEATHER HOURS (LST): 0000-0800  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.6									1.6	4.7
NNE	1.7	1.1	.8									3.6	4.4
NE	2.2	2.4	2.2	.2								6.9	5.4
ENE	1.6	2.5	1.8	1.0								6.9	6.4
E	1.7	2.0	1.9	.4								6.1	5.0
ESE	1.6	1.7	.8			.1						4.4	4.8
SE	.4	1.0	.3									2.1	4.3
SSE	.4	.7	.5									2.1	4.8
S	1.6	4.3	3.1	1.3		.1						10.4	6.9
SSW	1.5	3.4	2.6	.8	.1							8.4	6.5
SW	.6	1.1	1.5	.6		.1						3.9	7.9
WSW	.4	1.1	.7	.6								2.8	7.3
W	.4	.4		.3								1.0	6.2
WNW		.1	.1	.2								.4	10.0
NW	.4	.3										.6	3.9
NNW	.1	.2										.3	3.7
VARBL	.4	.3		.1								.8	4.4
CALM												37.8	
	16.8	22.7	17.0	5.4	.1	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1138

DATA PROCESSING DIVISION  
STAC/USAF  
AIR WEATHER SERVICE/STAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024	MORON AB SPAIN	58-70	CT
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			0900-1100
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.0	.6	.3								5.1	4.5
NNE	1.6	1.9	1.7	.5								5.7	6.1
NE	1.1	3.1	3.0	1.2	.3	.1						8.8	7.7
ENE	1.3	2.1	2.4	2.2	.2							8.1	7.0
E	1.0	1.3	1.3	1.3								4.0	7.4
ESE	.3	.8	.4	.4	.1							2.1	7.3
SE	.2	.4	.2	.4								1.2	7.8
SSE	.7	.3	.8	.1	.1							1.9	8.7
S	1.1	1.5	2.0	1.9	.8	.2	.1					7.7	9.8
SSW	.7	1.8	1.3	1.4	.8	.1						6.0	9.4
SW	.6	1.8	2.7	1.1	.8							6.2	8.5
WSW	.7	2.4	1.9	.8	.5							6.3	7.9
W	1.1	2.5	.8	.6	.2							5.2	6.1
WNW	.7	.3	.1									1.0	3.3
NW	.5	.9	.4	.1	.3							2.2	6.8
NNW	.8	.9	.1	.1								1.7	4.6
VARBL	3.0	1.4	.8	.1	.2							5.5	4.7
CALM												19.5	
	17.7	25.4	20.3	12.5	4.1	.3	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1184

2

DATA PROCESSING DIVISION  
 TAC/USAF  
 AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13024 MURDO AB SPAIN

58-70

CCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	.6	.5	.1							4.5	5.8
NNE	.5	1.3	1.1	.4		.1						3.4	7.0
NE	.6	1.7	2.3	1.0	.5							6.1	8.5
ENE	.4	1.4	1.7	1.2	.4							5.1	9.0
E	.8	1.4	1.3	.9	.1							4.4	8.0
ESE	.3	.3	.8	.7	.1							2.7	9.6
SE	.4	.2	.6	.3	.1							1.4	9.4
SSE	.3	.3	.3	.4								1.4	8.3
S	.6	1.6	1.1	1.6	.8	.7						6.4	11.2
SSW	.5	1.4	1.1	.6	.8	.1						4.5	9.6
SW	.3	1.3	2.0	1.9	1.2	.5						7.2	11.6
WSW	.6	2.3	3.9	2.5	.8	.2						10.2	9.5
W	.9	4.2	4.1	1.7	.8	.3						12.0	8.5
WNW	.3	1.6	1.1	.2	.1							3.2	6.5
NW	.8	.7	.7	.1	.1							2.4	5.6
NNW	.7	1.8	.3									2.7	4.6
VARBL	5.5	3.6	1.8	.7								11.6	4.7
CALM												11.3	
	14.6	27.0	24.8	14.7	5.8	1.8						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

1182

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13024 WIND AT SPAIN 58-70 CT  
 STATION MONTH  
 ALL WEATHER  
 CLASS  
 CONDITION  
 1500-1700  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.3	.3								3.8	5.0
NNE	.3	.7	1.1	.7								2.8	5.0
NE	1.0	1.9	1.7	1.0	.1							5.6	7.4
ENE	1.1	1.1	.8	1.4	.1							4.5	7.9
E	.3	1.0	1.5	2.0	.2							4.9	9.9
ESE	.3	.4	1.2	1.0	.3							3.4	9.9
SE	.3	.5	.3	.2	.1							1.5	7.3
SSE		.1	.3	.2								.5	9.0
S	.1	.8	1.4	1.6	.5	.1						4.5	11.3
SSW	.1	1.0	1.3	.9	1.0	.2						4.5	11.5
SW	.4	1.6	1.5	4.7	1.4	.4						10.0	12.2
WSW	.3	2.7	4.6	4.6	1.5	.1						14.0	10.5
W	1.5	5.5	5.0	2.2	.7	.2	.1					15.1	8.1
WNW	.9	2.1	1.4	.3	.1							4.8	6.2
NW	.6	1.1	.7	.1								2.5	5.7
NNW	1.2	1.8	.5	.5								4.1	5.5
VARBL	2.4	1.5	.3	.4								4.7	4.7
CALM												8.8	
	11.9	25.1	25.0	22.3	5.9	1.0	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1146

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13024 RUMBLE AB SPAIN

58-70

CT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.7	.2								2.1	6.5
NNE	.4	.8	.6									2.3	5.2
NE	.3	.4	1.1	.1								2.1	6.8
ENE	.3	.5	.9									1.7	6.4
E	.8	2.4	1.6	.7								5.6	6.4
ESE	2.3	1.8	1.3	.3	.2							5.3	5.5
SE	1.6	.7	.6	.5	.1							4.6	6.1
SSE	.4	.8	.4	.1								1.7	6.1
S	.4	2.2	2.2	1.2	.3	.1						6.4	8.5
SSW	.4	2.2	2.6	2.2	.6	.3						8.4	9.9
SW	.8	3.8	4.7	3.7	.5	.3						13.8	9.1
WSW	1.8	3.2	3.8	4.6	.2							15.6	8.6
W	1.3	2.9	2.3	1.3	.2							8.1	7.4
WNW	.8	.8	.5	.2								2.3	5.3
NW	.5	.7	.6									1.9	5.4
NNW	.4	.4	.6									1.5	5.6
VARBL	.2											.7	2.5
CALM												16.9	
	14.1	24.6	26.7	15.0	2.1	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1117

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 MURKIN AB SPAIN

58-69

CT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.7	.2									2.5	3.5
NNE	.6	.4	.2									1.2	4.1
NE	.6	.3	.3	.1								1.4	4.2
ENE	.7	1.1	.6									2.4	5.1
E	1.5	2.3	1.3	.3								5.3	5.4
ESE	2.7	1.6	.5	.2	.2	.1						5.3	5.0
SE	1.6	.9	.3	.4	.2							3.6	5.7
SSE	1.1	1.4	.5		.1							3.1	4.8
S	1.7	7.3	5.2	2.2	.4	.3						17.0	7.4
SSW	1.9	6.1	4.6	1.7	.3	.2						14.7	7.3
SW	.5	3.9	1.5	1.3	.2	.1						7.5	7.5
WSW	.9	2.7	1.3	.9	.2	.1						6.0	7.4
W	.4	1.9	1.3	.4								4.0	6.9
WNW	.2		.3	.1								.5	6.5
NW	.4	.5	.1	.2								1.2	5.8
NNW	.3	.5	.2									1.0	5.3
VARBL	.2											.2	2.5
CALM												23.0	
	17.0	31.5	18.4	7.8	1.5	.7						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1116



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024

MURRIETA, CALIF. SPAIN

58-69

STATION

STATION NAME

YEARS

MONTH

0000-0200

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.3									1.5	4.5
NNE	1.8	1.5	.5	.1								3.9	4.3
NE	.8	1.8	1.1	.3								4.0	5.9
ENE	1.0	1.1	2.2	.3								4.6	6.4
E	2.0	1.8	1.6	.2								5.6	5.3
ESE	2.9	1.8	.5	.3								5.4	4.1
SE	2.6	1.5	.4		.1							4.7	3.7
SSE	1.7	1.8	.4	.2								3.3	4.8
S	2.4	6.4	5.7	2.0	1.0		.1					17.6	7.4
SSW	1.6	2.8	3.9	.9	.4	.3	.2					10.0	8.2
SW	.7	2.3	1.7	.8								5.6	6.7
WSW	.7	.7	1.3	.4	.2							3.3	7.7
W	.5	.6	.6	.3	.2							2.0	7.7
WNW	.4	.2	.5	.1								1.1	6.3
NW	.2		.2	.2								.6	7.8
NNW	.2	.2	.1									.5	4.0
VARBL		.1										.1	5.0
CALM												26.2	
	19.7	25.0	20.7	5.9	1.9	.3	.3					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

1076

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024  
STATION

ROQUE 50 SPAIN

STATION NAME

54-69

YEARS

TIME

NORTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	.3									1.9	4.8
NNE	1.3	1.2	1.1									3.6	5.2
NE	1.1	2.6	2.0	.4								6.1	5.9
ENE	1.4	2.3	2.7	.6								7.0	6.3
E	2.2	1.9	1.1	.3								5.6	4.9
ESE	2.2	1.8	.4									4.4	3.8
SE	2.0	1.2	.5									4.8	4.7
SSE	1.5	1.4	.6	.4	.1							3.9	5.6
S	2.3	5.4	4.5	1.7	.5	.2						14.6	7.2
SSW	1.9	2.4	2.0	2.0	.6	.1						9.0	8.3
SW	.7	1.7	1.4	1.0	.1							4.9	7.5
WSW	.2	.8	.9	.6								2.6	8.2
W	.3	.5	.2	.1								1.0	6.0
WNW	.4	.5	.1									.9	4.0
NW	.4	.5	.1	.1								1.0	4.8
NNW	.3	.3	.2	.1								.8	5.7
VARBL	.3											.3	2.0
CALM												27.9	
	19.6	25.6	18.1	7.2	1.2	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

1077

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024

WINDY AD SPAIN

58-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0900

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	.2									4.6	4.4
NNE	1.0	1.5	2.2	.1								4.8	5.3
NE	1.8	3.0	2.5	.8								4.1	5.3
ENE	1.5	2.2	2.7	.7								7.1	5.5
E	1.4	2.5	.8	.1								4.7	4.7
ESE	1.3	1.5	.2									3.6	3.4
SE	1.5	1.0	.1		.1							2.6	3.9
SSE	1.2	1.1	.6	.5								3.4	6.1
S	3.3	5.4	4.2	2.1	.9							15.9	7.2
SSW	1.3	2.5	3.0	1.5	.9							9.2	8.4
SW	.5	1.6	1.5	1.3	.1							5.0	8.0
WSW	.3	.4	.6	.5								1.4	8.2
W	.5	.5	.1	.1								1.2	4.7
WNW	.2	.1										.3	3.0
NW	.4	.4										.7	3.6
NNW	.4	.3										.6	3.1
VARBL	.4	.1										.5	2.8
CALM												28.2	
	17.4	26.2	18.6	7.6	2.0							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

1101

2

DATA PROCESSING DIVISION  
 USAF/USAF  
 AIR WEATHER SERVICE/AG

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024      MIAMI AB SPAIN      58-70

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0900-1100

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	.6	.2								4.3	4.9
NNE	2.2	2.1	2.5	.4								7.3	5.8
NE	1.2	4.3	4.7	1.8								12.1	7.4
ENE	1.1	1.6	3.3	1.7	.1							8.0	8.0
E	.6	.9	1.2	.5								3.3	6.9
ESE	.5	.7	.3	.1	.1							1.7	5.7
SE	.4		.5	.3								1.1	7.5
SSE	.6	.5	.4	.2	.2	.1						2.1	7.3
S	1.0	1.4	2.5	2.5	1.1	.4						9.6	10.3
SSW	1.1	3.1	3.0	3.6	.6	.4	.1					11.9	9.7
SW	.4	2.3	2.9	1.6	.4	.1	.1					7.7	8.9
WSW	.6	1.2	1.8	1.6	.3	.1						5.6	9.0
W	.6	.9	1.1	.3								2.5	6.6
WNW	.7	.4										1.1	3.3
NW	.5	.4	.2									1.1	4.8
NNW	.4	.2	.2	.1								.9	4.8
VARBL	1.1	.6	.1									1.8	3.6
CALM												17.8	
	15.6	22.6	25.5	14.8	2.7	1.0	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS      1138

1  
2

DATA PROCESSING DIVISION  
STAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024

LAUREL AG SPAIN

58-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.2	1.1	.4								6.8	5.5
NNE	1.0	2.8	2.7	1.1								7.6	7.1
NE	.9	3.4	4.2	1.8								10.4	7.5
ENE	.5	.9	1.8	2.2	.1							5.5	9.4
E	.5	.4	1.1	1.0	.1							3.1	8.3
ESE	.1	.4	.5									1.0	6.4
SE		.2	.1	.4	.1							.7	12.0
SSE	.1	.2	.4	.3	.1	.2						1.2	11.5
S	.4	.7	1.4	3.0	.8	.5	.1					6.8	12.7
SSW	.6	1.1	1.1	2.7	.6	.4	.1					6.6	11.9
SW	.6	1.7	3.1	3.3	.9	1.1	.3					10.9	12.2
WSW	1.1	1.9	4.0	3.1	.5	.2	.1					10.9	9.4
W	1.0	3.2	3.3	1.3	.3							9.0	7.6
WNW	.7	1.5	.4	.4								3.0	6.1
NW	.7	1.3	.5									2.6	4.8
NNW	.3	.6	.3									1.1	5.2
VARBL	2.6	1.3	.4	.4								4.8	4.3
CALM												8.9	
	12.3	24.7	26.4	21.3	3.4	2.4	.5					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1136

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME AIR WEATHER SERVICE/AC YEARS 52-70 MONTH 1200-1700  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.2	.2								4.6	5.2
NNE	1.3	2.7	1.9	.4								6.3	6.3
NE	.8	3.3	2.9	1.5	.1							8.5	7.4
ENE	.9	1.1	1.7	1.2	.1	.1						5.1	8.1
E	.5	1.1	1.2	.8	.1							3.7	7.9
ESE	.7	.4	.3	.2								1.0	6.5
SE	.1	.4	.2		.1							.7	7.0
SSE	.3	.2	.9	.2	.1							1.4	8.1
S	.2	.6	1.5	2.3	.9	.2	.1					5.7	12.3
SSW	.5	.6	2.5	2.2	.7	.4	.1					7.0	11.5
SW	.9	2.6	3.9	3.3	.6	.2	.4					11.9	10.2
WSW	1.4	3.4	4.3	2.0	.9	.5	.1					12.6	9.1
W	1.9	2.9	2.2	1.7	.5	.3						9.5	7.9
WNW	.0	1.2	.8	.4								3.0	6.3
NW	.5	.3	.2									2.1	4.8
NNW	.1	1.7	.2	.2								2.8	5.0
VARBL	1.5	.8	.2	.2								2.6	4.1
CALM												11.1	
	13.7	26.2	26.2	16.5	4.2	1.5	.6					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1101

DATA PROCESSING DIVISION  
 USAFETAC  
 AIR WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10024 STATION NAME BURL AB SPAIN YEARS 53-59 MONTH 1000-2000  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.9									2.2	5.8
NNE	1.0	1.3	.3									2.6	4.3
NE	.8	1.5	.5	.6								3.4	6.1
ENE	.7	1.5	2.1	.6								5.0	7.2
E	1.7	2.1	2.0	.5								6.3	5.9
ESE	1.0	1.7	.7	.1	.2							4.4	5.1
SE	1.8	1.3	.6	.3								4.0	4.8
SSE	1.2	.7	.6	.2								2.8	3.2
S	1.9	3.0	3.2	2.2	.7	.4						12.1	8.4
SSW	1.3	2.9	3.4	1.9	.1	.3	.1					9.9	8.4
SW	1.0	4.4	3.0	1.0	.4	.2		.1				11.8	7.9
WSW	.5	1.9	2.6	1.4	.1	.1		.1	.1			6.8	9.0
W	.8	1.7	1.4	.6								4.5	6.7
WNW	.4	.4	.3	.2	.1							1.3	6.7
NW	.7	.4	.1	.1	.1							1.4	5.3
NNW	.2	.6	.2									.9	5.2
VARBL	.2											.2	2.0
CALM												20.4	
	17.1	26.9	22.0	10.6	1.7	.9	.1	.2	.1			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024 HUK( AB SPAIN

58-69

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.0	.1									1.9	3.4
NNE	1.1	1.2	.4									2.7	4.1
NE	.0	1.9	1.1	.4								4.4	5.1
ENE	.7	1.3	1.3	.4								3.7	6.4
E	1.7	3.1	1.8	.0								7.6	5.9
ESE	2.0	2.1	.6	.3								5.7	4.3
SE	2.4	1.0	.6	.3								4.8	4.5
SSE	2.3	1.2	.4	.4								4.0	4.7
S	2.5	4.9	4.9	1.6	.0	.4	.1					15.0	7.8
SSW	1.3	2.7	4.0	1.4	.3	.2	.1					9.9	8.3
SW	.4	3.2	1.9	1.2		.1						7.4	7.1
WSW	.8	1.4	1.0	.7	.2	.1	.1	.2				5.3	9.6
W	.7	.8	.6	.4	.3							2.8	7.4
WNW		.4	.3	.1								.9	7.7
NW		.3	.2									.5	5.8
NNW	.2	.3										.5	3.8
VARBL	.2											.2	2.5
CALM												23.8	
	19.2	20.9	19.9	7.0	1.4	.7	.3	.2				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1080



DATA PROCESSING DIVISION  
 FTAL/USAF  
 AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13024  
 STATION

WORTH AB SPAIN

STATION NAME

56-69

YEARS

DFC  
 MONTH

0000-0700

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.1	.3								2.2	5.1
NNE	2.2	2.4	.3	.1								4.9	3.9
NE	1.0	2.7	1.0	.6								6.1	5.7
ENE	.9	1.7	1.1	.4								4.0	5.9
E	1.6	1.4	1.2	.4								4.5	5.3
ESE	3.0	1.3	.5			.1						4.9	4.0
SE	2.4	1.3	.1									3.8	3.2
SSE	1.5	1.6	.4									3.5	3.9
S	2.2	4.1	3.2	1.5	.4			.2				11.6	7.4
SSW	.9	2.6	2.8	1.5	.4	.3	.2	.1				8.7	9.5
SW	.2	1.9	1.3	2.4	.4	.4	.1					6.8	11.2
WSW	.4	1.5	1.3	2.8	.4	.3						6.5	10.4
W	.3	1.0	1.7	.5	.2	.1	.1	.1				3.9	10.0
WNW	.1	.2	.2									.4	3.2
NW	.3	.4	.1		.1							.8	5.9
NNW	.4		.2									.6	4.4
VARBL	.4	.2										.5	2.8
CALM												26.0	
	19.2	25.4	15.3	10.5	1.8	1.2	.4	.4				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1116

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR CENTER DE WILLOW

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13024 STATION NAME CROSBY SPAIN YEARS 56-69 MONTH FEB  
 CLASS ALL-WEATHER HOURS (L.S.T.) 0300-0500  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8	.4									3.4	4.6
NNE	2.5	2.9	.4	.2								5.9	4.3
NE	1.5	3.8	1.7	.4								7.4	6.0
ENE	1.2	2.1	1.1	.1								4.4	5.2
E	1.4	1.3	1.0	.1								4.2	4.8
ESE	2.2	1.4	.4									3.7	3.6
SE	1.6	.6	.2	.2								2.8	3.9
SSE	1.6	1.2	.2									3.0	3.8
S	.9	3.1	2.5	1.3	.6				.1			8.5	8.5
SSW	.8	2.8	3.0	1.7	.4	.3		.3				9.3	9.5
SW	.4	2.1	2.2	1.6	.1	.2	.1	.2				6.9	9.9
WSW	.3	1.1	1.9	2.2	.5	.2	.3					6.3	11.4
W	.4	.2	1.6	.5	.1	.2	.1					3.1	10.1
WNW	.1	.1			.1			.1				.4	15.3
NW	.2	.1	.1									.4	5.0
NNW	.7	.7	.2									1.6	4.1
VARBL	.2	.2										.4	3.3
CALM												27.8	
	17.8	25.3	16.8	8.9	1.8	.6	.4	.5	.1			100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1116

2

DATA PROCESSING DIVISION  
 DTAC/USAF  
 AIR WEATHER SERVICE/AC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13024

MURIEL AB SPAIN

58-70

JPC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	.4									3.2	4.2
NNE	2.6	3.2	.8	.2								6.8	4.6
NE	2.8	3.9	2.1	.4								9.2	5.4
ENE	2.2	2.1	1.9	.4								6.7	5.6
E	2.1	1.4	1.0									4.5	4.4
ESE	1.3	.6	.4	.2								2.5	4.5
SE	1.6	.5	.1	.2								2.4	4.0
SSE	.9	1.1	.4	.2								2.5	4.3
S	1.3	3.4	2.8	1.7	.7							9.9	8.0
SSW	.5	2.1	3.2	1.5	.7			.2				8.3	9.8
SW	.2	2.1	1.8	2.2	.4	.1	.3	.1				7.1	10.8
WSW		1.3	1.2	1.3	.1	.1	.3	.1				4.4	11.4
W	.3	.4	.7	.6	.2	.2						2.5	9.7
WNW	.2	.1	.1				.1					.4	9.4
NW	.1	.1	.1									.3	5.3
NNW	.3	.6										.9	4.1
VARBL	.4	.1										.5	2.7
CALM												27.9	
	18.3	24.4	17.1	8.9	2.0	.4	.6	.4				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1139

1  
2DATA PROCESSING DIVISION  
ETAL/USAF  
AIR WEATHER SERVICE/ACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

13024

MORRIS AB SPAIN

58-70

FC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	.7	.3								4.4	5.3
NNE	1.7	3.9	1.7	.5								7.8	5.6
NE	2.1	3.8	7.6	1.6	.3							15.4	7.4
ENE	1.1	2.1	3.1	1.1	.1							7.5	7.3
E	1.4	1.3	.9	.2								3.8	5.0
ESE	.7	.8	.3	.1	.1							2.0	5.4
SE	.3	.3	.2	.3								1.2	7.6
SSE	.3	.3	.3	.2								1.1	6.8
S	1.0	2.7	2.2	1.9	.2	.2						8.2	8.2
SSW	.6	1.3	2.8	2.5	.9	.7	.2					9.1	11.4
SW	.8	1.4	2.7	1.7	.4	.3	.6					7.9	11.0
WSW	.4	1.1	1.6	1.9	.3	.2	.2	.2	.1			6.0	11.8
W	.3	.6	1.4	.8	.6							3.7	10.2
WNW		.3	.2									.4	5.6
NW	.2	.1	.2									.4	4.8
NNW	.3	.3	.1									.8	4.1
VARBL	.7	.2		.1								.9	3.8
CALM												19.4	
	13.2	22.8	26.0	13.2	2.9	1.4	.9	.2	.1			100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1183

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION 13024 NAME MURKIN AB SPAIN YEARS 50-70 MONTH DEC  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.1	1.4	.4								6.4	5.7
NNE	.6	2.9	3.1	1.7	.1							8.5	7.7
NE	.3	3.0	5.5	3.7	.6	.1						13.2	9.3
ENE	.4	1.2	2.7	2.4	.4							7.1	9.8
E	.2	.8	.6	.5	.1							2.1	8.6
ESE	.1	.2	.3	.3	.1							.9	9.7
SE	.1			.1	.3	.1						.5	15.2
SSE	.1	.4	.2	.1	.1							.8	7.6
S	.3	.8	1.7	2.0	.1	.1						5.0	9.9
SSW	.3	.6	1.4	1.5	.4	.8	.3	.2				5.4	14.4
SW	.7	1.2	2.4	2.0	1.9	.3	.5		.1			9.0	12.8
WSW	.8	1.3	3.1	1.9	.8	.3	.1	.1				6.4	10.5
W	1.2	2.0	2.1	3.5	.3	.3	.2		.1			9.8	10.4
WNW	.2	1.0	.3	.2	.2							1.9	7.2
NW	.6	1.1	.6	.3								2.4	6.2
NNW	.7	.6	.1	.2								1.5	4.8
VARBL	3.0	1.1	1.0	.1								5.8	4.0
CALM												11.0	
	11.0	21.2	26.6	20.7	5.4	2.0	1.0	.3	.2			100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1177

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024

MIRAL AB SPAIN

58-70

JFC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-1700

CLASS

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	1.7	.5								6.7	5.6
NNE	1.1	3.0	1.9	1.0								7.0	6.5
NE	1.5	2.8	5.3	2.5								12.1	7.8
ENE	1.2	1.8	2.6	1.3	.1							7.1	7.5
E	.6	.8	1.1	.4								2.9	6.9
ESE	.1	.2	.4	.5								1.1	9.6
SE	.3	.3	.3	.2	.1							1.1	7.6
SSE		.1										.1	4.0
S	.2	.9	1.8	.5	.4							3.8	9.2
SSW	.3	1.3	1.7	1.4	.2	.6	.7	.2				6.3	13.6
SW	1.6	2.1	3.2	3.4	1.1	.2	.2					11.6	10.2
WSW	1.1	1.7	2.5	3.3	1.0	.3	.3	.1				10.2	11.1
W	2.5	1.7	2.5	2.1	.4	.8	.1	.1				10.1	9.6
WNW	.8	.9	.4	.1	.2							2.3	5.7
NW	.4	.7	.4	.3	.1							1.8	6.8
NNW	.7	.7	.7	.4								2.5	6.1
VARBL	1.2	.9	.2									2.3	3.9
CALM												11.1	
	15.2	22.5	26.4	17.9	3.4	1.8	1.2	.4				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1142

ATA PROCESSING DIVISION  
TAC/USAF  
AIR WEATHER SERVICE/TAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME AB SPAIN YEARS 58-70 MONTH DEC  
STATION CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.4	.1								2.9	4.7
NNE	.9	2.1	1.2	.1								4.3	5.3
NE	1.7	1.6	1.8	.4								5.5	5.5
ENE	1.0	2.0	1.2	.2								4.3	5.7
E	2.2	1.6	1.3	.4								5.6	5.1
ESE	1.2	1.3	.3									2.8	4.1
SE	2.1	.4	.3									2.8	3.4
SSE	1.1	.7	.4									2.2	4.4
S	1.3	2.7	2.1	.5	.1	.3						7.1	7.2
SSW	1.6	2.6	3.2	2.6	1.0	.3	.4	.1				11.9	9.9
SW	.6	1.3	2.5	3.3	1.1	.2	.4					9.8	11.2
WSW	.6	1.3	2.9	2.0	.2		.2	.1				7.2	9.8
W	.7	1.8	1.3	.9	.3	.4	.1					5.5	9.9
WNW	.3	.5	.2	.1								1.1	5.8
NW	.3	.6	.1									1.0	4.6
NNW	.2	.9	.3	.2								1.8	6.2
VARBL	.2											.2	2.5
CALM												24.2	
	17.7	22.7	19.7	10.7	2.6	1.2	1.0	.2				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1117

DATA PROCESSING DIVISION  
TAC/USAF  
IN WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13024 STATION NAME YEARS MONTH  
13024 TAC/USAF 58-69 2100-2300  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	.3									2.7	4.3
NNE	1.6	1.7	.4									3.0	4.0
NE	1.0	2.0	1.0	.4								4.4	5.9
ENE	1.3	1.4	.4	.2								3.3	4.8
E	2.2	1.3	.9	.6								5.0	5.4
ESE	3.2	1.2	.4	.2								3.0	3.4
SE	3.1	1.3	.3		.2	.1						5.0	4.2
SSE	1.0	.5	1.0									3.1	4.6
S	2.3	4.6	2.7	1.7	.4		.1					11.7	6.9
SSW	.4	1.9	2.8	1.6	.7	.2	.6					8.2	11.4
SW	.6	2.0	2.9	2.8	.4	.4	.6					9.0	10.0
WSW	.3	1.3	1.4	2.3	.2	.3	.2		.1			6.0	11.7
W	.4	1.0	.9	1.3	.2	.1	.1					4.0	9.8
WNW	.4	.4	.8									1.3	7.0
NW		.3		.1								.4	7.3
NNW	.3	.3	.2									.7	4.3
VARBL	.3											.3	2.3
CALM												26.0	
	19.7	22.6	16.4	11.3	2.0	1.0	1.0		.1			100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1116



DATA PROCESSING DIVISION  
 AFMAG/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13024 STATION NAME: 13024 AB SPAIN YEARS: 58-70  
 INSTRUMENT: CLASS: CIG 200 TO 1400 FT \* / VSBY 1/2 MI OR MORE, CONDITION: A 1/4R VSBY 1/2 TO 2-1/2 MI > CIG 200 FT OR MORE  
 MONTH: ALL HOURS (LST): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.2	.0								1.5	4.6
NNE	.3	.8	.4	.1								1.6	5.5
NE	.5	.8	.6	.1								2.0	5.7
ENE	.1	.5	.3	.1								1.1	5.3
E	.4	.3	.1	.0	.0							.9	4.7
ESE	.5	.4	.1			.0						.9	4.4
SE	.5	.6	.1	.0								1.6	3.9
SSE	.5	.1	.1		.0							.4	4.7
S	1.4	2.4	2.3	2.3	1.1	.3	.2	.0	.0			10.1	10.3
SSW	.6	2.8	4.4	6.0	2.6	1.5	.3	.2	.0			18.7	13.0
SW	.7	2.2	4.8	8.0	4.0	2.0	.8	.1	.0			22.6	14.1
WSW	.5	1.8	3.6	5.3	2.5	1.1	.5	.3	.1			15.7	13.9
W	.6	1.5	1.6	1.6	.8	.5	.1	.1	.0			6.6	11.6
WNW	.4	.4	.2	.2			.0	.0				1.4	7.5
NW	.4	.5	.2	.1	.0							.6	5.1
NNW	.1	.3	.2	.1	.0							.7	6.8
VARBL	.5		.0									.3	2.5
CALM												13.4	
	7.9	16.0	19.1	23.9	11.3	5.5	2.0	.7	.2			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 3536

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USNB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{5}{16}$	$\geq \frac{1}{4}$	$\geq 0$
NO CEILING															
1500															92.6
1200															
1000															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

STATION NAME  
 DATE  
 TIME

# CEILING VERSUS VISIBILITY

STATION NAME 28-7 YEARS 11  
 MONTH 11  
 HOURS 11  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
18000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
16000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
14000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
12000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
10000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
9000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
8000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
7000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
3500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
3000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
1800	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
1500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
1200	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
1000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
900	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
800	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
700	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
600	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
400	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
300	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
200	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
100	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

TOTAL NUMBER OF OBSERVATIONS 107733

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	51.5	53.7	54.1	54.5	54.4	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	55.0
IV 18000	51.5	52.4	52.7	53.1	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 16000	51.6	52.5	52.8	53.1	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 14000	51.7	52.6	53.0	53.3	53.3	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 12000	51.8	52.8	53.2	53.5	53.6	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 10000	51.9	53.0	53.4	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000	52.0	53.1	53.5	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 8000	52.1	53.2	53.6	53.9	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 7000	52.2	53.3	53.7	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 6000	52.3	53.4	53.8	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 5000	52.4	53.5	53.9	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	52.5	53.6	54.0	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 4000	52.6	53.7	54.1	54.4	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 3500	52.7	53.8	54.2	54.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 3000	52.8	53.9	54.3	54.6	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 2500	52.9	54.0	54.4	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 2000	53.0	54.1	54.5	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 1800	53.1	54.2	54.6	54.9	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 1500	53.2	54.3	54.7	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 1200	53.3	54.4	54.8	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 1000	53.4	54.5	54.9	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 900	53.5	54.6	55.0	55.3	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 800	53.6	54.7	55.1	55.4	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 700	53.7	54.8	55.2	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 600	53.8	54.9	55.3	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 500	53.9	55.0	55.4	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 400	54.0	55.1	55.5	55.8	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 300	54.1	55.2	55.6	55.9	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 200	54.2	55.3	55.7	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 100	54.3	55.4	55.8	56.1	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 0	54.4	55.5	55.9	56.2	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5

TOTAL NUMBER OF OBSERVATIONS 9097

DATA PROCESSING CENTER  
 1000 E. 10TH AVE.  
 DENVER, CO 80202

# CEILING VERSUS VISIBILITY

STATION NAME 44-71 YEARS 1960 MONTH 1  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) HOURS 1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	55.1	55.4	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000 16000	61.7	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000 12000	62.4	62.8	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000 9000	64.1	64.6	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000 7000	67.7	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 6000 5000	72.4	73.1	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500 4000	78.4	80.2	80.4	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500 3000	83.5	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500 2000	88.5	89.5	89.7	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1800 1500	91.9	92.1	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200 1000	93.8	94.3	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900 800	95.6	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700 600	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500 400	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300 200	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100 0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 4245

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FASTER SERVICE/AL

## CEILING VERSUS VISIBILITY

STATION NAME 28-70 YEARS MONTH HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		55.0	56.0	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
IV 20000		63.1	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.7	63.7
IV 18000		64.9	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000		65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 14000		65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4
IV 12000		66.7	66.7	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2
IV 10000		68.0	68.4	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9
IV 9000		69.0	69.0	69.0	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2
IV 8000		72.3	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.4
IV 7000		74.7	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.9	76.0
IV 6000		76.4	77.0	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.7
IV 5000		79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500		80.8	81.0	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.5
IV 4000		83.3	83.0	83.2	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.7
IV 3500		85.0	84.6	84.8	85.0	85.0	85.0	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.3
IV 3000		87.2	86.7	86.9	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.4	87.4	87.5
IV 2500		89.0	89.0	89.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.6
IV 2000		91.3	91.0	91.2	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.9
IV 1800		92.3	92.7	93.0	93.3	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.9
IV 1500		94.1	94.1	94.5	94.6	94.9	95.0	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.4
IV 1200		96.1	96.8	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 0		97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 9522



WFO PR 5510-101-1  
 10-11-11  
 IN LATER EDITIONS

# CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	62.2	63.4	63.5	63.5	63.5	63.5	63.5	64.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 16000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 14000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 12000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 4500	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 4000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1800	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1500	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1200	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1000	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 900	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 800	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 700	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 600	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 500	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 400	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 300	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 200	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 100	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 0	72.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7

TOTAL NUMBER OF OBSERVATIONS 9001

STATION NAME  
 DATE  
 TIME

# CEILING VERSUS VISIBILITY

STATION NAME 54-70 YEARS 1 MONTH 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET.	VISIBILITY, STATUTE MILES.															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		72.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000		81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 18000		81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 16000		81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 14000		81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 12000		82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 10000		83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000		84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 8000		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 7000		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 6000		87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 5000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500		90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 4000		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500		92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000		94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3165

DATA PREVIOUSLY REPORTED  
SEE PAGE  
IN LATER EDITIONS

# CEILING VERSUS VISIBILITY

STATION NAME 44-70 YEARS MONTH HOURS PER DAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	75.1	74.0	75.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 18000 16000	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 14000 12000	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 10000 9000	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 8000 7000	88.2	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000 5000	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4500 4000	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3500 3000	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500 2000	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800 1500	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200 1000	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 8842



DATA PROCESSING DIVISION  
SCS LTR  
IN WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME 38-7 YEARS 1961 MONTH 11  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .14	≥ 0
NO CEILING ≥ 20000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
18000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
16000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
14000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
12000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
10000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
9000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
8000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
7000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
5000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
4500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
4000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
3000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
1800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 9112

DATA PROCESSING DIVISION  
USAF ETAC  
CIVIL AVIATION SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME STATION YEARS 58-70 MONTH 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING		75.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 20000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 18000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 16000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 14000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 12000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 10000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 9000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 8000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 7000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 5000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 900		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 800		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 700		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 600		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 400		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 300		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 200		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 100		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 0		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3

TOTAL NUMBER OF OBSERVATIONS 8814

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.7	58.0	60.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
IV 18000 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000 12000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 8000 7000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000 5000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4500 4000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3500 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500 2000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800 1500	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900 800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700 600	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500 400	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300 200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100 0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 9117

DATA PROCESSING UNIT  
 USAF ETAC  
 1111 1111 1111 1111 1111

# CEILING VERSUS VISIBILITY

STATION NAME 3-7-1 YEARS 11 MONTH 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01
NO CEILING ≥ 20000	55.7	55.3	55.8	55.7	55.3	55.3	55.7	55.9	55.7	50.0	58.0	56.0	56.1	56.1	56.7
IV 18000	64.5	64.2	64.3	64.2	64.5	64.0	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	64.7	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	64.6	64.1	63.7	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
IV 12000	64.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 10000	67.2	66.1	66.3	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	67.2	66.1	66.3	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 8000	72.7	72.7	72.7	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 7000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 3500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1600	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 8748



## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .56	≥ .4
NO CEILING ≥ 20000	57.0	57.5	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0
IN 18000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 16000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 14000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 12000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 10000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 8000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 7000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 6000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 5000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 4500	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 4000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 3500	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 3000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 2500	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 2000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 1800	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 1500	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 1200	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 1000	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 900	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 800	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 700	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 600	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 500	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 400	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 300	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 200	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 100	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
IN 0	61.5	62.5	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0

TOTAL NUMBER OF OBSERVATIONS 9166

DATA PROCESSING DIVISION  
USAF ETAC  
IN RESEARCH DEVELOPMENT

# CEILING VERSUS VISIBILITY

STATION NAME 59-70 YEARS 60th  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS) 0000-0000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .58	≥ .5	≥ .56	≥ .4	≥ 0
NO CEILING ≥ 20000	57.1	59.3	59.7	60.4	60.4	60.7	60.8	60.9	61.0	61.1	61.1	61.2	61.2	61.4	61.4
IVV 18000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 16000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 14000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 12000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 10000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 8000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 7000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 6000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 5000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 4500	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 4000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 3500	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 3000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 2500	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 2000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 1800	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 1500	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 1200	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 1000	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 900	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 800	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 700	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 600	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 500	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 400	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 300	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 200	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 100	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7
IVV 0	57.4	59.5	59.9	60.5	60.6	60.8	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS 1116

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .58	≥ .5	≥ .36	≥ 0
NO CEILING N 20000	57.7	58.3	59.1	59.9	60.1	60.4	60.5	60.6	60.7	60.9	61.2	61.3	61.6	61.6	62.2
IV 18000 N 16000	61.8	62.9	63.7	64.0	64.8	65.1	65.2	65.3	65.4	65.7	65.9	66.0	66.4	66.5	66.9
IV 14000 N 12000	62.2	63.1	64.0	64.8	65.7	65.9	65.9	65.9	65.9	65.9	66.1	66.2	66.6	66.6	67.1
IV 10000 N 9000	65.0	65.9	66.7	66.7	67.7	67.8	68.2	68.4	68.5	68.7	68.9	69.1	69.5	69.5	70.0
IV 8000 N 7000	66.9	67.9	68.8	69.6	69.9	70.9	70.9	70.9	70.9	70.9	71.1	71.2	71.6	71.7	72.1
IV 6000 N 5000	67.7	69.0	70.7	71.5	71.9	72.4	72.3	72.4	72.5	72.8	73.0	73.1	73.5	73.6	74.0
IV 4500 N 4000	71.1	72.3	73.6	74.4	74.6	75.1	75.2	75.3	75.4	75.6	75.9	76.0	76.3	76.4	76.9
IV 3500 N 3000	71.1	73.7	76.5	77.8	78.0	78.0	78.7	78.8	78.9	79.1	79.4	79.5	79.8	79.9	80.5
IV 2500 N 2000	82.1	83.3	84.4	84.7	85.2	85.3	85.4	85.6	85.9	86.2	86.3	86.6	86.7	87.1	87.7
IV 1800 N 1500	82.2	84.9	86.2	87.4	87.6	88.3	88.4	88.4	88.6	89.0	89.2	89.3	89.7	89.8	90.3
IV 1200 N 1000	83.1	85.3	86.5	87.9	88.3	88.9	89.0	89.1	89.2	89.6	89.9	90.0	90.3	90.5	91.0
IV 900 N 800	84.1	87.4	89.5	91.0	91.4	92.0	92.1	92.2	92.4	92.7	93.0	93.1	93.4	93.6	94.2
IV 700 N 600	84.9	88.5	90.7	92.5	92.9	93.5	93.6	93.7	93.9	94.3	94.5	94.6	95.0	95.2	95.7
IV 500 N 400	85.4	89.2	91.5	93.2	93.6	94.4	94.4	94.5	94.6	95.2	95.4	95.5	95.9	96.1	96.6
IV 300 N 200	85.5	89.4	91.8	93.5	94.2	95.3	95.3	95.4	95.5	96.1	96.4	96.5	96.9	97.0	97.6
IV 100 N 0	85.7	89.5	91.8	93.0	94.4	95.4	95.7	95.8	96.1	96.6	96.9	97.0	97.3	97.5	98.0
	85.8	89.7	92.2	94.1	94.9	96.0	96.3	96.4	96.8	97.2	97.5	97.7	98.0	98.2	98.7
	85.9	89.8	92.3	94.2	95.0	96.1	96.5	96.6	97.0	97.7	97.9	98.1	98.4	98.7	99.3
	85.9	89.8	92.3	94.2	95.0	96.1	96.5	96.6	97.0	97.8	98.0	98.2	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

AF 12-100-101-1  
 12-100-101-1  
 12-100-101-1

# CEILING VERSUS VISIBILITY

STATION NAME 38-70 YEARS 1 MONTH 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING IV 20000	4.5	42.2	51.7	51.7	51.4	51.4	51.4	51.4	52.0	52.2	52.4	52.5	52.6	52.7	52.8	54.1
IV 18000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 16000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 14000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 12000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 10000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 9000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 8000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 7000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 6000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 5000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 4500	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 4000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 3500	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 3000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 2500	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 2000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 1800	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 1500	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 1200	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 1000	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 900	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 800	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 700	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 600	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 500	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 400	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 300	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 200	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 100	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7
IV 0	55.6	57.1	58.2	58.7	58.8	59.1	59.3	59.5	59.7	59.8	59.9	60.1	60.2	60.3	60.4	61.7

TOTAL NUMBER OF OBSERVATIONS 1136

WFO  
NOV 1964  
100000

# CEILING VERSUS VISIBILITY

STATION NAME WFO YEARS 1964 MONTH 11

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	44.4	47.9	48.4	48.5	48.6	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 18000 16000	50.3	54.9	56.4	56.6	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000 12000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 10000 9000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 8000 7000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 6000 5000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 4500 4000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 3500 3000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 2500 2000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 1800 1500	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 1200 1000	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 900 800	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 700 600	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 500 400	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 300 200	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 100 0	51.3	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9

TOTAL NUMBER OF OBSERVATIONS 1179





DATA PROCESSING DIVISION  
DAF ETAC  
IN WEATHER SERVICE/NO

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

39-7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-10-70-000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	56.1	56.0	56.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.1	56.3
IV 18000	61.7	61.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	64.3	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 9000	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 7000	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	85.1	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	87.8	87.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	88.6	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1800	89.2	89.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1500	89.7	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	91.5	91.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	92.2	92.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900	92.9	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	92.9	92.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 700	93.2	93.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 600	93.6	93.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 500	93.5	93.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	93.7	93.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	93.7	93.7	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 200	93.8	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	93.8	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	93.8	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 1116



ATMOSPHERIC DIVISION  
SAFETY  
100 EAST 100 STREET

# CEILING VERSUS VISIBILITY

14766 STATION NAME 29-73 YEARS MONTH 7106 2104  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000		61.7	61.2	61.3	61.4	61.4	61.6	61.7	61.7	61.7	61.9	61.9	61.9	62.1	62.1	62.1
≥ 18000 ≥ 16000		67.2	67.6	67.7	67.7	67.7	67.8	68.1	68.1	68.1	68.3	68.3	68.3	68.5	68.5	68.5
≥ 14000 ≥ 12000		67.3	67.9	68.0	68.1	68.1	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.9	68.9	68.9
≥ 10000 ≥ 9000		70.0	70.0	70.7	70.8	70.8	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.6	71.6	71.6
≥ 8000 ≥ 7000		72.3	72.7	72.8	72.8	72.8	73.0	73.2	73.2	73.3	73.4	73.4	73.4	73.7	73.7	73.7
≥ 6000 ≥ 5000		77.0	77.0	77.7	77.8	77.8	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.6	78.6	78.6
≥ 4500 ≥ 4000		81.3	81.5	81.5	81.6	81.7	81.9	82.1	82.1	82.2	82.3	82.3	82.3	82.5	82.5	82.5
≥ 3500 ≥ 3000		83.7	83.7	83.9	84.0	84.1	84.2	84.4	84.4	84.5	84.6	84.6	84.6	84.9	84.9	84.9
≥ 2500 ≥ 2000		89.4	89.4	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800 ≥ 1500		90.4	90.6	91.6	91.9	92.0	92.2	92.3	92.3	92.4	92.7	92.7	92.7	92.9	92.9	92.9
≥ 1200 ≥ 1000		90.9	92.4	93.3	93.6	93.7	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.7	94.7	94.7
≥ 900 ≥ 800		91.6	93.1	94.1	94.5	94.6	95.1	95.3	95.3	95.4	95.5	95.5	95.5	95.8	95.8	95.8
≥ 700 ≥ 600		91.7	93.5	94.6	95.1	95.3	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.5	96.5	96.5
≥ 500 ≥ 400		91.9	93.8	95.5	96.2	96.5	97.0	97.3	97.4	97.5	97.6	97.7	97.7	97.9	97.9	97.9
≥ 300 ≥ 200		92.4	94.5	96.4	97.2	97.7	98.3	98.7	98.7	98.8	98.9	99.0	99.0	99.2	99.2	99.2
≥ 100 0		92.4	94.5	96.4	97.3	97.8	98.4	98.7	98.8	98.8	98.9	99.0	99.2	99.2	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
USAF ETAC  
AIR EATER

# CEILING VERSUS VISIBILITY

STATION NAME: 59-70 YEARS: MONTH: 11-11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	61.7	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.9	63.9	64.2
IV 18000	67.3	67.7	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.4	68.4	69.1
IV 16000	67.3	67.7	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.4	68.4	69.1
IV 14000	67.3	67.7	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.4	68.4	69.1
IV 12000	67.3	67.7	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.4	68.4	69.1
IV 10000	70.6	70.8	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.6	71.6	72.3
IV 9000	70.6	70.8	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.6	71.6	72.3
IV 8000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 7000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 6000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 5000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 4500	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 4000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 3500	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 3000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 2500	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 2000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 1800	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 1500	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 1200	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 1000	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 900	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 800	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 700	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 600	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 500	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 400	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 300	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 200	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 100	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5
IV 0	71.1	72.0	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.8	73.8	74.5

TOTAL NUMBER OF OBSERVATIONS: 1016

DTIC PRECIPITATION INTENSITY  
SAR ETAC  
METEOROLOGICAL SERVICE/AFM

# CEILING VERSUS VISIBILITY

STATION NAME 28-7 YEARS 1 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ADDITIONAL DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	65.0	61.6	62.3	62.4	62.4	62.5	62.7	62.7	62.7	62.7	63.1	63.1	63.4	63.4	63.7	63.9
≥ 18000	65.2	62.9	66.8	67.0	67.1	67.4	67.4	67.4	67.4	67.5	67.8	67.8	68.2	68.4	68.7	68.9
≥ 16000	65.2	62.9	66.8	67.0	67.1	67.4	67.4	67.4	67.4	67.5	67.8	67.8	68.2	68.4	68.7	68.9
≥ 14000	65.2	62.9	66.8	67.0	67.1	67.4	67.4	67.4	67.4	67.5	67.8	67.8	68.2	68.4	68.7	68.9
≥ 12000	65.2	62.9	66.8	67.0	67.1	67.4	67.4	67.4	67.4	67.5	67.8	67.8	68.2	68.4	68.7	68.9
≥ 10000	67.3	64.1	69.0	69.2	69.3	69.4	69.6	69.6	69.7	70.0	70.0	70.0	70.4	70.6	70.9	71.1
≥ 9000	67.3	64.1	69.0	69.2	69.3	69.4	69.6	69.6	69.7	70.0	70.0	70.0	70.4	70.6	70.9	71.1
≥ 8000	69.6	70.4	71.3	71.5	71.6	71.7	71.9	71.9	71.9	72.2	72.2	72.2	72.6	72.8	73.1	73.3
≥ 7000	71.2	71.9	72.8	73.0	73.1	73.2	73.4	73.4	73.4	73.5	73.8	73.8	74.2	74.4	74.7	74.9
≥ 6000	73.2	74.3	75.2	75.4	75.5	75.6	75.8	75.8	75.9	76.2	76.2	76.2	76.6	76.8	77.1	77.3
≥ 5000	76.4	77.7	78.5	78.7	78.8	78.9	79.1	79.1	79.2	79.5	79.5	79.5	79.9	80.1	80.4	80.6
≥ 4500	77.9	79.9	80.9	81.1	81.2	81.3	81.5	81.5	81.5	81.6	81.9	81.9	82.3	82.5	82.8	83.0
≥ 4000	80.6	82.0	83.0	83.2	83.3	83.4	83.6	83.6	83.7	84.0	84.0	84.0	84.4	84.5	84.8	85.0
≥ 3500	82.8	83.8	84.7	84.9	85.0	85.1	85.3	85.3	85.4	85.7	85.7	85.7	86.1	86.3	86.6	86.8
≥ 3000	84.6	85.5	86.5	86.7	86.8	86.9	87.1	87.1	87.2	87.5	87.5	87.5	87.9	88.1	88.4	88.6
≥ 2500	86.2	87.5	88.5	88.7	88.8	88.9	89.1	89.1	89.2	89.5	89.5	89.5	89.9	90.1	90.4	90.6
≥ 2000	87.9	89.3	90.4	90.6	90.6	90.7	90.9	90.9	91.0	91.3	91.3	91.3	91.7	91.9	92.2	92.4
≥ 1800	89.2	89.6	90.6	90.8	90.9	91.0	91.2	91.2	91.3	91.6	91.6	91.6	92.0	92.2	92.5	92.7
≥ 1500	90.6	90.9	92.0	92.2	92.3	92.4	92.6	92.6	92.7	93.0	93.0	93.0	93.4	93.6	93.9	94.1
≥ 1200	92.4	92.1	93.2	93.4	93.5	93.7	93.9	93.9	94.0	94.3	94.3	94.3	94.7	94.9	95.2	95.4
≥ 1000	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 900	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 800	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 700	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 600	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 500	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 400	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 300	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 200	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
≥ 100	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7
0	93.1	93.2	94.4	94.6	94.7	94.9	95.1	95.1	95.2	95.5	95.5	95.5	96.0	96.2	96.5	96.7

TOTAL NUMBER OF OBSERVATIONS 1016

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	54.5	54.0	54.2	54.3	54.3	54.4	54.5	54.5	54.5	54.5	54.6	54.4	54.6	55.0	55.2	55.4
IV 18000	59.0	59.6	59.8	59.9	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.8	61.0	61.3
IV 16000	59.0	59.6	60.0	60.1	60.1	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.6	61.0	61.2	61.5
IV 14000	59.4	60.1	60.3	60.4	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.9	61.3	61.5	61.8
IV 12000	60.3	61.2	61.4	61.5	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.3	62.5	62.8
IV 10000	62.3	63.1	63.3	63.4	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.9	64.3	64.5	64.7
IV 9000	63.2	64.0	64.2	64.3	64.3	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.7	65.1	65.3	65.6
IV 8000	66.4	67.2	67.4	67.5	67.5	67.7	67.8	67.8	67.9	67.9	67.9	67.9	68.0	68.4	68.6	68.9
IV 7000	67.5	68.4	68.6	68.7	68.7	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.6	69.8	70.1
IV 6000	71.5	72.5	72.7	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.7	73.9	74.2
IV 5000	74.1	75.0	75.2	75.3	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.8	76.2	76.4	76.7
IV 4500	79.7	80.6	80.8	80.9	80.9	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.8	82.0	82.3
IV 4000	81.3	82.2	82.4	82.5	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.4	83.6	83.9
IV 3500	82.5	83.4	83.6	83.7	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.6	84.8	85.1
IV 3000	84.0	84.9	85.1	85.2	85.2	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.7	86.1	86.3	86.6
IV 2500	85.6	86.5	86.7	86.8	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.7	87.9	88.2
IV 2000	87.1	88.0	88.2	88.3	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.8	89.2	89.4	89.7
IV 1800	87.6	88.5	88.7	88.8	88.8	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.7	89.9	90.2
IV 1500	89.4	90.3	90.5	90.6	90.6	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.5	91.7	92.0
IV 1200	90.4	91.3	91.5	91.6	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.5	92.7	93.0
IV 1000	90.9	91.8	92.0	92.1	92.1	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.6	93.0	93.2	93.5
IV 900	91.3	92.2	92.4	92.5	92.5	92.7	92.8	92.8	92.9	92.9	92.9	92.9	93.0	93.4	93.6	93.9
IV 800	91.8	92.7	92.9	93.0	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.9	94.1	94.4
IV 700	92.3	93.2	93.4	93.5	93.5	93.7	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.4	94.6	94.9
IV 600	92.8	93.7	93.9	94.0	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.9	95.1	95.4
IV 500	93.3	94.2	94.4	94.5	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.4	95.6	95.9
IV 400	93.8	94.7	94.9	95.0	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.9	96.1	96.4
IV 300	94.3	95.2	95.4	95.5	95.5	95.7	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.4	96.6	96.9
IV 200	94.8	95.7	95.9	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.5	96.9	97.1	97.4
IV 100	95.3	96.2	96.4	96.5	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9	97.0	97.4	97.6	97.9
IV 0	95.8	96.7	96.9	97.0	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.9	98.1	98.4

TOTAL NUMBER OF OBSERVATIONS 1048

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AF

# CEILING VERSUS VISIBILITY

STATION NAME 58-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING ≥ 20000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.1	53.1	53.1
IVM 18000 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5
IVM 14000 12000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.8	62.1
IVM 10000 9000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.7	66.7	67.0
IVM 8000 7000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.8	70.8	71.1
IVM 6000 5000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.6	76.6	76.9
IVM 4500 4000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.7	80.7	81.0
IVM 3500 3000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	83.0	83.0	83.3
IVM 2500 2000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.4	85.4	85.7
IVM 1800 1500	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.6
IVM 1200 1000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.8	90.8	91.1
IVM 900 800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	92.0	92.0	92.3
IVM 700 600	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.8	92.8	93.1
IVM 500 400	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.5
IVM 300 200	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.4	95.4	95.7
IVM 100 0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.1	96.1	96.4

TOTAL NUMBER OF OBSERVATIONS 1078

DATE OF PREVIOUS EDITION  
 SAFETY  
 AIRPORT NAME

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 20000		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 18000		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000		57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 12000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 8000		66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 7000		69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 6000		70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 5000		71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500		73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000		76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3500		78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800		92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 900		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

AT: PR...  
S...  
IS...  
STATION NAME

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .516	≥ .5
NO CEILING ≥ 20000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 18000 16000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000 12000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000 9000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 8000 7000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 6000 5000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500 4000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3500 3000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500 2000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800 1500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200 1000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900 800	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700 600	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 500 400	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1014

STATION NAME  
STATION  
ELEVATION

# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .58	≥ .5	≥ .4	≥ .3	≥ .25
NO CEILING	24.6	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 20000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 18000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 16000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 12000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 9000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 7000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 6000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4500	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3500	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 2500	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 2000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 1800	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 1500	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 1200	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 1000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 900	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 800	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 700	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 600	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 500	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 400	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 300	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 200	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 100	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9

TOTAL NUMBER OF OBSERVATIONS 1014



47. 00 0000 100 100  
 000 100  
 100 100 100 100 100 100

# CEILING VERSUS VISIBILITY

STATION NAME 09-70 YEARS 0000

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ .05	≥ .01
NO CEILING	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 8000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 7000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 3000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 2000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 1000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 200	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 100	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 50	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 25	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 1	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV .5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV .25	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV .16	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV .1	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV .05	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV .01	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0

TOTAL NUMBER OF OBSERVATIONS 1011

ATA REPORT NO. 100-1  
 100-100  
 100-100

# CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME YEARS: 1970 MONTH: 1970  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5
NO CEILING ≥ 20000	64.2	64.1	64.2	64.3	64.2	64.4	64.4	64.4	64.4	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 14000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 9000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 8000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 7000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 5000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1800	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1200	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 900	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 800	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 700	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 600	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 400	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 300	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 200	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 100	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3

TOTAL NUMBER OF OBSERVATIONS 1197

## CEILING VERSUS VISIBILITY

AT: P. 100-91  
 100-91  
 100-91

STATION

STATION NAME

48-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

100-91

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	61.2	61.5	62.2	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.7	62.7	62.8	63.0	63.1
IV 18000	65.6	67.3	68.6	68.7	68.8	68.8	68.9	68.9	68.9	69.0	69.1	69.1	69.2	69.4	69.4
IV 16000	66.6	67.9	68.6	68.7	68.8	68.8	68.9	68.9	68.9	69.0	69.1	69.1	69.2	69.4	69.4
IV 14000	66.6	67.9	68.6	68.7	68.8	68.8	68.9	68.9	68.9	69.0	69.1	69.1	69.2	69.4	69.4
IV 12000	66.6	67.9	68.6	68.7	68.8	68.8	68.9	68.9	68.9	69.0	69.1	69.1	69.2	69.4	69.4
IV 10000	67.7	69.0	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.2	70.2	70.3	70.5	70.5
IV 9000	68.8	70.3	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.7	71.8	71.8
IV 8000	71.5	73.4	74.0	74.1	74.2	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.6	74.7	74.7
IV 7000	74.0	76.0	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.2	77.2	77.4	77.6	77.6
IV 6000	76.6	77.5	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.7	78.7	78.9	79.1	79.1
IV 5000	76.6	77.5	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.7	78.7	78.9	79.1	79.1
IV 4500	76.6	77.5	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.7	78.7	78.9	79.1	79.1
IV 4000	76.6	77.5	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.7	78.7	78.9	79.1	79.1
IV 3500	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 3000	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 2500	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 2000	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 1800	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 1500	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 1200	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 1000	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 900	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 800	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 700	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 600	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 500	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 400	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 300	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 200	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 100	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1
IV 0	81.7	82.6	83.3	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1

TOTAL NUMBER OF OBSERVATIONS 11-7

1. NAME OF STATION  
2. DATE  
3. LOCATION OF STATION

## CEILING VERSUS VISIBILITY

STATION NAME 28-7 YEARS 1964 MONTH 10

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		23.0	23.3	53.5	54.1	54.1	54.3	54.3	54.3	54.5	54.6	54.7	54.7	54.7	54.7	54.7
IV 20000		61.7	62.3	62.6	63.2	63.2	63.4	63.4	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000		62.1	62.5	62.7	63.3	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000		62.7	62.8	62.8	63.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000		62.9	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000		63.7	63.8	63.8	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 10000		64.7	65.1	65.1	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000		64.7	65.1	65.1	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 8000		67.6	70.2	70.5	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000		72.3	73.1	73.3	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000		71.9	74.6	75.2	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000		71.9	74.6	75.2	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500		71.9	74.6	75.2	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000		81.1	81.1	81.5	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1500		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1200		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1000		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 900		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 800		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 700		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 600		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 500		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 400		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 300		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 200		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 100		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 0		81.1	82.2	82.6	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7

TOTAL NUMBER OF OBSERVATIONS 1127

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/8
NO CEILING ≥ 20000	52.6	52.6	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.9
IV 18000	61.4	61.6	61.7	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5
IV 16000	61.4	61.2	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	61.4	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IV 12000	62.6	62.6	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1
IV 10000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	66.4	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0
IV 8000	67.4	67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0
IV 7000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7
IV 6000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2
IV 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5
IV 4000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
IV 3500	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 2500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0
IV 1800	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5
IV 1500	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2
IV 1200	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
IV 1000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8
IV 900	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
IV 800	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
IV 700	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0
IV 500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
IV 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1197

ST. PETERSBURG, FLA.  
 USAF ETAC  
 FORM 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01
NO CEILING	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 6000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 8000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1197

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING ≥ 20000	42.1	40.0	40.5	40.8	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 18000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 16000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 14000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 12000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4500	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1113

DATA OF CLASS: 11-1-1  
 DATE: 1-1-1  
 TIME: 11-1-1

# CEILING VERSUS VISIBILITY

STATION NAME: 11-1-1

3d-7

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1-1-1-1-1

CEILING FEET	VISIBILITY: STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01
NO CEILING	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 22000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 16000	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 14000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 9000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 8000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 7000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1174



DATA PROCESSING UNIT  
 NAME  
 LOCATION

# CEILING VERSUS VISIBILITY

STATION NAME 58-74 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		61.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 20000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 18000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 16000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 14000		71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 12000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 10000		73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 9000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000		78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 7000		79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 6000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000		87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3500		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800		95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1176

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .56	≥ .4	≥ 0
NO CEILING IN 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 18000 16000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 14000 12000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 10000 9000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 8000 7000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000 5000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500 4000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 3500 3000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500 2000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800 1500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200 1000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900 800	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700 600	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500 400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300 200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100 0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 1146

U.S. AIR FORCE  
 1954 EDITION  
 1954 EDITION

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IN 22000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IN 18000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IN 16000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IN 14000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IN 12000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IN 10000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 9000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 8000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 7000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 6000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 5000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 4500	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 4000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 3500	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 3000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 2500	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 2000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 1800	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 1500	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 1200	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 1000	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 900	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 800	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 700	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 600	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 500	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 400	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 300	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 200	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 100	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IN 0	77.1	77.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4

TOTAL NUMBER OF OBSERVATIONS 1166

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	61.0	62.0	62.9	63.3	63.7	63.9	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IN 20000	70.7	70.9	71.1	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IN 18000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 16000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 14000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 12000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 10000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 8000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 6000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 5000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 4500	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 4000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 3500	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 3000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 2500	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 2000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 1800	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 1500	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 1200	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 1000	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 900	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 800	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 700	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 600	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 500	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 400	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 300	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 200	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 100	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 0	70.5	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS 1149

1. TITLE  
2. DATE  
3. LOCATION

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO LIMITS	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
≥ 2000	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 8000	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 6000	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 4000	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 2000	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 1000	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 800	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 600	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 400	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 200	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 100	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IN 0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TOTAL NUMBER OF OBSERVATIONS 1149

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 15000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 14000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 13000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 12000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 11000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 10000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 9000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 7000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 6000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 5000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 4000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 3000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 2000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 1500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 1000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 800	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 600	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 400	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 200	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
N 100	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

TOTAL NUMBER OF OBSERVATIONS 1146

AD-A088 961

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2  
MORON AB, MORON, SPAIN. REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC (U)  
MAY 72

UNCLASSIFIED USAFETAC/DS-80/087

NL

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5

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AFM

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

58-7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-10-74

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000		54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IN 18000		69.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IN 16000		69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IN 14000		70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IN 12000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IN 10000		73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IN 9000		74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IN 8000		77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IN 7000		78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IN 6000		79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IN 5000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IN 4500		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 4000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 3500		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IN 3000		91.9	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IN 2500		96.0	96.6	96.6	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 2000		98.9	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 1800		97.2	98.1	98.1	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 1500		97.4	98.3	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IN 1200		97.6	98.5	98.5	98.9	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1000		97.6	98.5	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 900		97.6	98.5	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 800		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 700		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 600		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 500		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 400		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 300		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 200		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 100		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 0		97.8	98.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1103



DATA PROCESSING DIVISION  
SAC LTAS  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME 34-49 YEARS 1960-1961 MONTH 1960-1961

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		62.4	52.4	42.4	32.4	22.4	12.4	6.4	4.4	3.4	2.4	1.4	0.4	0.4	0.4	0.4
≥ 20000		75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000		77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 10000		80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 8000		84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000		86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 6000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 5000		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4500		92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 4000		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3500		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000		96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2000		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1080

2

DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/AF

# CEILING VERSUS VISIBILITY

STATION NAME: LAO 16 YEARS: 20-63 MONTH: 7

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7104 7100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	77.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 18000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 16000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 14000	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 12000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 9000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 8000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 7000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 6000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 5000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4500	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 3500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 3000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 1000

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AGC

# CEILING VERSUS VISIBILITY

STATION 14066 STATION NAME 14066 YEARS 1970 MONTH 1970

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000000000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	02.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 18000	05.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 16000	05.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 14000	05.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 12000	05.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 10000	07.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 9000	08.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 8000	09.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 7000	09.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 6000	11.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 5000	11.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 4500	13.3	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 4000	13.3	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3500	14.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 3000	14.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500	15.6	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	15.6	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	16.8	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	16.8	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1200	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	17.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 1140

DATA PROCESSING DIVISION  
USAF ETAC  
FOR LATER SERVICE/USE

# CEILING VERSUS VISIBILITY

STATION NAME 8-70 YEARS 34 MONTH 07

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7
18000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
16000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
14000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
12000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
10000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
9000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
8000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
7000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
6000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
5000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
4500	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
4000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
3500	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
3000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
2500	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
2000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
1800	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
1500	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
1200	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
1000	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
900	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
800	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
700	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
600	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
500	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
400	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
300	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
200	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
100	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
0	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6

TOTAL NUMBER OF OBSERVATIONS 1140

DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/AFM

# CEILING VERSUS VISIBILITY

STATION 14016 STATION NAME 30-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

040160100  
HOURS (L.V.T.)

CEILING FEET:	VISIBILITY (STATUTE MILES):															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	68.6	69.2	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
18000	78.4	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
16000	78.4	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
14000	78.4	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
12000	78.4	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
10000	80.0	80.9	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
9000	80.0	81.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
8000	82.5	83.5	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
7000	84.4	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
6000	85.9	87.0	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
5000	87.4	88.8	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4500	88.7	89.7	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
4000	89.0	90.8	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3500	90.0	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
3000	91.2	92.4	92.6	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2500	92.1	93.3	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2000	93.4	94.6	94.8	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
1800	94.0	95.2	95.4	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1500	94.6	95.8	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1200	95.7	97.0	97.3	97.3	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1000	96.3	97.7	98.0	98.1	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
900	96.4	97.8	98.1	98.2	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
800	96.7	98.0	98.4	98.5	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
700	96.7	98.2	98.5	98.6	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	96.7	98.2	98.5	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
500	96.7	98.2	98.7	98.9	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	96.7	98.2	98.8	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	96.7	98.2	98.8	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	96.7	98.2	98.8	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100	96.7	98.2	98.8	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	96.7	98.2	98.8	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1105



DATA PRELIMINARY  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME 38-70 YEARS 1200-1200 MONTH 1200-1200  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000 16000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000 12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 10000 9000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 8000 7000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500 4000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 3500 3000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500 2000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800 1500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200 1000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1176

DATA PROCESSING CENTER  
 100 E. 10th St.  
 Fairbury, Nebraska 68420

# CEILING VERSUS VISIBILITY

1-4-66

58-70

YEARS

4.7

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-5-66 1-7-66

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING	66.4	56.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IN 20000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 18000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 16000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 14000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 10000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IN 9000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IN 8000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 7000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 6000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IN 5000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IN 4500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 4000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 3500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IN 3000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IN 2500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IN 2000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 1800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IN 1500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IN 1200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IN 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1137



DATA PREPARED BY  
USAF ETAC  
FOR ESTIMATION OF VISIBILITY

# CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .50	≥ .25	≥ .10	≥ .05	≥ .01	≥ 0
NO CEILING IN 20000	15.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 18000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 16000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 14000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 12000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 10000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 9000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 8000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 7000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 6000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 5000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 4000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 3500	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AS

# CEILING VERSUS VISIBILITY

STATION NO. STATION NAME

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

710-7740  
MOUSE (C.B.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 18000 IV 16000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 14000 IV 12000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 10000 IV 9000	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 8000 IV 7000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 6000 IV 5000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 4500 IV 4000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3500 IV 3000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2500 IV 2000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800 IV 1500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200 IV 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900 IV 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700 IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500 IV 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300 IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100 IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1115

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01
NO CEILING ≥ 20000	85.6	85.6	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IVM 18000	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 16000	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 14000	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 12000	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 10000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IVM 9000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IVM 8000	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IVM 7000	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IVM 6000	95.1	95.1	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVM 5000	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IVM 4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IVM 4000	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IVM 3500	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVM 3000	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IVM 2500	97.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVM 2000	97.6	97.6	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVM 1800	98.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 1500	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IVM 1200	99.1	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 1000	99.1	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 900	99.1	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 800	99.1	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 700	99.1	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 600	99.1	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 500	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 400	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 300	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 200	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 100	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE AC

# CEILING VERSUS VISIBILITY

STATION NAME: WINDY YEARS: 1963 MONTH: JULY  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 100.0

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .516	≥ .4	≥ 0
NO CEILING ≥ 20000	01.0	52.6	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IN 18000 16000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 14000 12000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 10000 9000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 8000 7000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 6000 5000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 4500 4000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 3500 3000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 2500 2000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 1800 1500	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 1200 1000	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 900 800	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 700 600	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 500 400	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 300 200	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 100 0	01.7	86.9	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3

TOTAL NUMBER OF OBSERVATIONS: 1000



DATA PROCESSING DIVISION  
SAF ETAC  
AIR FATER SERVICE/AL

# CEILING VERSUS VISIBILITY

STATION NAME 56-70 YEARS 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 18000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 14000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 10000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 9000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 7000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 6000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1166

DATA PROCESSING DIVISION  
USAF ETAC  
1000 REAR STREET, W.C.

# CEILING VERSUS VISIBILITY

STATION NAME

54-70

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-20-64

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
18000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
16000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
14000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
10000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
8000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
7000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
6000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
5000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
4500	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
4000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
3500	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
3000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1000	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1147

DATA PROCESSING UNIT  
USAF ETAC  
AIR WEATHER SERVICE/AG

# CEILING VERSUS VISIBILITY

1-10-76

STATION NAME

58-70

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-10-76

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .125	≥ 0
NO CEILING	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IN 20000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 18000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 16000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 14000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 12000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IN 10000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IN 8000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IN 7000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IN 6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IN 5000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IN 4500	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IN 4000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 3500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IN 3000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IN 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1105



DATA PROCESSING DIVISION  
USAF ETAC  
AIR SEATER SERVICES AC

# CEILING VERSUS VISIBILITY

13024 STATION NAME 3044 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 NOV 1960

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IVM 18000 16000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IVM 14000 12000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVM 10000 9000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVM 8000 7000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVM 6000 5000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVM 4500 4000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVM 3500 3000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 2500 2000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVM 1800 1500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 1200 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 900 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVM 700 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVM 500 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IVM 300 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IVM 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION  
USAF ETAC  
AIR LIAISON OFFICE

# CEILING VERSUS VISIBILITY

STATION NAME 3-64 YEARS 11 MONTH 7-10-1954

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 20000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVM 18000	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVM 16000	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVM 14000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IVM 12000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IVM 10000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVM 9000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IVM 8000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVM 7000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IVM 6000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IVM 5000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVM 4500	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IVM 4000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVM 3500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVM 3000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVM 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVM 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE / AC

# CEILING VERSUS VISIBILITY

140-6 STATION NAME 58-42 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ ⅓
NO CEILING ≥ 20000	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 18000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 16000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 14000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 12000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 10000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 9000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 8000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 7000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 6000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 5000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4500	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 3500	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 3000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2500	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1500	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 400	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 300	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 200	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 100	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROVIDED BY THE USER  
 DATE: 1964  
 STATION NAME: 14624

# CEILING VERSUS VISIBILITY

14624 STATION NAME

1964

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14624

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	94.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 18000	94.9	94.0	94.8	94.6	94.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	94.9	94.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	94.9	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 12000	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 10000	94.4	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 9000	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 8000	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 7000	94.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 6000	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 5000	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4500	94.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	95.4	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500	95.4	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3000	95.4	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	95.9	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	96.1	96.6	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	96.6	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	98.2	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	98.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
SAFETY  
AIR CATERING SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME 28-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM 11-60

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .3	≥ .16	≥ .1	≥ 0
NO CEILING ≥ 20000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 18000 16000	91.5	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 14000 12000	91.5	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 10000 9000	92.6	93.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 8000 7000	92.9	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 6000 5000	93.3	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4500 4000	93.5	94.1	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 3500 3000	93.7	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2500 2000	94.0	94.6	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800 1500	94.7	95.2	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200 1000	94.9	96.0	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900 800	97.3	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700 600	97.3	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500 400	97.3	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 200	97.3	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100 0	97.3	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1116

DATE PROCESSED: 10/1/5  
 NAME: ETAC  
 15 FAIRER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME: 28-7-1 YEARS: 1954

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	91.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 18000	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 16000	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 14000	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 12000	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 10000	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 9000	96.7	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 8000	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 7000	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 6000	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 5000	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 4500	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 4000	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3500	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3000	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2500	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2000	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 1142

# CEILING VERSUS VISIBILITY

DATA PREPARED BY: [illegible]  
 DATE: [illegible]  
 AIRCRAFT SERVICE: [illegible]

STATION NAME: [illegible] 38-71 YEARS MONTH: [illegible]

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-14-50

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 20000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 18000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 16000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 14000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IN 12000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IN 10000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IN 9000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IN 8000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IN 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IN 6000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 3500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 3000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1162

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 18000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 16000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 14000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 9000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 7000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 5000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 4000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1149



STATION NAME  
JAN 1964  
IN CLAS 1000 MILES

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	97.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 18000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 16000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 14000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 12000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 10000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 9000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 8000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 7000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 6000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 5000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4500	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3500	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	97.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1115

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 25000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 18000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 16000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 14000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 12000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 10000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 9000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 7000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 5000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PRESENTATION  
 5010 ETAC  
 IN SATISFACTORY

# CEILING VERSUS VISIBILITY

STATION NAME 34-70 YEARS 1954-1959 MONTH 1954-1959

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.3	≥ 0.2	≥ 0.1	≥ 0	≥ 0
NO CEILING ≥ 20000	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 18000	95.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 16000	95.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 12000	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 10000	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 9000	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 8000	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 7000	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 6000	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 5000	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 4500	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 4000	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 3500	97.9	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2500	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	99.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1118

DATE OF OBSERVATION: 10/1/64  
 SAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME: 38-47 YEARS: MONTH: 10/1/64

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5
NO CEILING ≥ 20000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 18000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 16000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 14000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 12000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 10000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 9000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 7000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 6000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 5000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 4500	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 4000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 3500	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 3000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 800	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 400	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 300	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 200	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 100	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 0	93.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS: 1116

DATA PREPARED BY: DIVISION  
 DATE: 10/1/64  
 AIRCRAFT: C-119

# CEILING VERSUS VISIBILITY

STATION NAME: 38-77 YEARS: MONTH: 1964  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	93.6	93.2	93.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 18000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 9000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 8000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 7000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 5000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS: 1140

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICES/AC

# CEILING VERSUS VISIBILITY

STATION NAME STATION 3M 5411 STATION NUMBER 58-71 YEARS 15 MONTH 12  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0500-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 20000		93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 18000		93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 16000		93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 14000		93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 12000		94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000		94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 9000		95.0	95.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 8000		95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 7000		95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 6000		95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 5000		95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4500		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000		96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500		96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3000		96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2500		97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800		98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000		98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900		98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 11.3

ATA PR 00511 101510  
 USAF ETAC  
 AIR - CAT PR 00511/ 40

# CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 18000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 16000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 14000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 12000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 10000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 9000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 8000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 7000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 6000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 5000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 4500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 4000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 3000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1140

DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/AGC

# CEILING VERSUS VISIBILITY

1-10-74  
STATION

STATION NAME

58-70  
YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-10-74  
MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING N 20000	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 18000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 16000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 12000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 10000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 8000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 7000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 5000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 3000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1142



DATA PROCESSING DIVISION  
 USAF ETAC  
 WILMINGTON, DELAWARE

# CEILING VERSUS VISIBILITY

STATION NAME WILMINGTON YEARS 1966-1970  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .58	≥ .5	≥ .4	≥ .3
NO CEILING ≥ 20000	92.7	92.0	92.8	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.7
≥ 18000	92.1	91.2	91.2	90.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 16000	91.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 14000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 12000	90.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 10000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 9000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 8000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 7000	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 6000	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 5000	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4500	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4000	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1117

ATC DEPARTMENT OF THE ARMY  
 SAFETY  
 IN THE LINE OF DUTY

# CEILING VERSUS VISIBILITY

STATION NAME 10-64 YEARS 10-64 MONTH 10-64

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

10-64-10-64

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0	≥ 0	≥ 0
NO CEILING ≥ 2000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 18000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 16000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 14000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 10000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 9000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 8000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1114

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AFM

# CEILING VERSUS VISIBILITY

STATION NAME 24-42 YEARS 1964  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) 0001-0700

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	81.5	83.8	83.3	83.8	83.5	83.6	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9
≥ 20000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 18000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 16000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 14000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 12000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 10000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 9000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 8000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 7000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 6000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 5000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 4500	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 4000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 3500	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 3000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 2500	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 2000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 1800	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 1600	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 1400	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 1200	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 1000	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 900	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 800	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 700	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 600	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 500	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 400	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 300	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 200	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 100	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
≥ 0	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 1000

ATA PROCESSING UNIT  
SAR ETAC  
AIR WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME

STATION

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-1000000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ 0
NO CEILING ≥ 25000	61.1	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IN 18000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IN 16000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IN 14000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IN 12000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 10000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IN 9000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IN 8000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IN 7000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IN 6000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 5000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IN 4500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IN 4000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IN 3500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IN 3000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IN 2500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IN 2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IN 1800	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IN 1500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 1200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

## CEILING VERSUS VISIBILITY

—C—

STAT GS SAMI

58-76

YEARS

3.1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

~~SECRET~~

[illegible]TOTAL NUMBER OF OBSERVATIONS 1101



# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024	≥ 1/2048	≥ 1/4096	≥ 1/8192	≥ 1/16384	≥ 1/32768
NO CEILING	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 20000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 18000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 8000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1600	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1400	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 900	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 800	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 700	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 600	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 400	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 300	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 200	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 100	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0

TOTAL NUMBER OF OBSERVATIONS 1143

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 18000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 16000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 14000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 12000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 10000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 9000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 7000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 6000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 5000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 4000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1105



DATE PREPARED: 10/1/64  
 BY: ETAC  
 AIRCRAFT: F-4C

# CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

28-70

YEARS

2064

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ADDITIONAL COMMENTS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 20000		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 18000		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 16000		88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 14000		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 12000		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 10000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 9000		93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 8000		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 7000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 5000		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 4500		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 4000		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3500		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 3000		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1002

DATA PROCESSING CENTER  
 500 FTAC  
 AIR FORCE SYSTEMS

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 18000 16000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 14000 12000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 10000 9000	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 8000 7000	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000 5000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 4500 4000	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3500 3000	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2500 2000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800 1500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200 1000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AS

# CEILING VERSUS VISIBILITY

STATION NAME 38-7 YEARS 61 MONTH 07  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.5
≥ 18000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
≥ 16000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7
≥ 14000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3
≥ 12000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 10000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥ 9000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.7
≥ 8000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.7
≥ 7000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
≥ 6000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6
≥ 5000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1
≥ 4500	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
≥ 4000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1
≥ 3500	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
≥ 3000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5
≥ 2500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
≥ 2000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
≥ 1800	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9
≥ 1200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
≥ 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 900	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9
≥ 800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 700	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 600	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 300	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 1117

DATA PROCESSING CENTER  
USAF ETAC  
AIR WEATHER SERVICE AC

## CEILING VERSUS VISIBILITY

STATION NAME 38-73 YEARS 61 MONTH 10

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING ≥ 20000	77.3	73.3	73.4	73.4	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.0
IV 18000 16000	77.1	77.1	77.2	77.2	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 14000 12000	77.1	77.1	77.2	77.2	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 10000 9000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000 7000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 6000 5000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500 4000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3500 3000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 2500 2000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1800 1500	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1200 1000	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 900 800	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 700 600	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 500 400	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 300 200	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 100 0	77.4	77.4	77.4	77.4	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8

TOTAL NUMBER OF OBSERVATIONS 1117

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/70

# CEILING VERSUS VISIBILITY

STATION NAME 38-70 YEARS 61 MONTH 00  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		65.1	65.8	65.8	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1200		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1000		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 900		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 800		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 700		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 600		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 500		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 400		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 300		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 200		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 100		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 0		73.0	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2

TOTAL NUMBER OF OBSERVATIONS 1148

ATA PROCESSING DIVISION  
USAF ETAC  
AIR TRAFFIC SERVICES AC

# CEILING VERSUS VISIBILITY

STATION NAME 56-73 YEARS 61 MONTH 11  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		64.9	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4
≥ 20000		72.1	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.7
IV 18000		72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	73.0
IV 16000		72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1
IV 14000		73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.6
IV 12000		73.7	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.3
IV 10000		76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.9
IV 9000		78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.8
IV 8000		81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.5
IV 7000		83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.9
IV 6000		85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.6
IV 5000		86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.4
IV 4500		88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.5
IV 4000		89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.9
IV 3500		90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	91.0
IV 3000		91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.4
IV 2500		93.4	93.4	93.4	93.4	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	94.2
IV 2000		95.4	95.4	95.4	95.4	95.5	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.2
IV 1800		95.6	95.6	95.6	95.6	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.5
IV 1500		96.7	96.7	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.2
IV 1200		97.0	97.0	97.0	97.0	97.2	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	98.1
IV 1000		97.6	97.6	97.6	97.6	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.7
IV 900		97.8	97.8	97.8	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	99.0
IV 800		98.1	98.1	98.1	98.1	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 700		98.1	98.1	98.1	98.1	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 600		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 500		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 400		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 300		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 200		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 100		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 0		98.2	98.2	98.2	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS 1104

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME 98-70 YEARS 1 MONTH 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1162

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000		69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IN 18000		70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IN 16000		70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 14000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IN 12000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IN 10000		79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 9000		81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IN 8000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 7000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IN 6000		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IN 5000		87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IN 4500		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IN 4000		92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IN 3500		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IN 3000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 2500		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IN 2000		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 1800		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 1500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 1200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 1000		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 900		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 800		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 600		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 400		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1162

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME 26-70 YEARS 1964  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 16000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 10000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 7000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 6000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 5000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4500	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 4000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1166



ATA PROFESSIONAL DIVISION  
SAFETY  
WEATHER SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME 54-74 YEARS 61 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING ≥ 20000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 18000 16000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000 12000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000 9000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000 7000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 6000 5000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500 4000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 3500 3000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500 2000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800 1500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1117

DATA PROFESSIONAL SERVICES  
SAFETY  
AIR FATER SERVICE/AC

## CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .56	≥ .5	≥ .5
NO CEILING ≥ 20000	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
18000	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
16000	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
14000	80.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
12000	81.1	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
10000	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
9000	83.6	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
8000	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
7000	87.5	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
6000	89.2	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
5000	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
4500	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
4000	92.2	92.4	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
3500	93.3	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
3000	94.8	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2500	95.3	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2000	95.7	96.1	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1800	96.3	96.3	96.9	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	96.4	97.0	97.5	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1200	96.7	97.4	97.8	97.8	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1000	97.2	97.8	98.5	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	97.2	97.8	98.5	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	97.4	98.0	98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
700	97.4	98.0	98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
600	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	97.6	98.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE SYSTEMS COMMAND

# CEILING VERSUS VISIBILITY

STATION: 51-600 YEARS: 1965-1974  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256
NO CEILING	64.1	64.4	64.5	64.5	64.5	64.0	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.8	64.9
≥ 20000	70.2	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.2	71.2
IVM 18000	70.2	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.2	71.2
IVM 16000	70.2	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.2	71.2
IVM 14000	70.4	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.4	71.4
IVM 12000	70.5	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.6	71.6
IVM 10000	72.0	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.2	73.2
IVM 9000	73.3	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.5	74.5
IVM 8000	75.5	76.2	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.7	76.7
IVM 7000	77.9	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.1	79.1
IVM 6000	79.7	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
IVM 5000	81.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.7	84.7
IVM 4500	83.2	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.5	86.5
IVM 4000	87.0	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.3	88.3
IVM 3500	89.1	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IVM 3000	91.2	91.9	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.5	92.5
IVM 2500	92.7	93.0	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.8	93.8
IVM 2000	93.0	94.3	94.7	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.4	95.4
IVM 1800	93.1	94.6	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.5	95.5
IVM 1500	94.5	95.8	96.2	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9	96.9
IVM 1200	94.9	96.2	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.2	97.2
IVM 1000	96.9	96.8	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.5	97.5
IVM 900	95.1	96.6	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
IVM 800	95.1	96.6	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
IVM 700	95.1	96.6	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
IVM 600	95.1	96.6	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
IVM 500	95.1	96.6	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
IVM 400	95.1	96.6	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
IVM 300	95.4	96.9	97.3	97.7	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1
IVM 200	95.4	96.9	97.3	97.7	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1
IVM 100	95.4	97.0	97.5	97.9	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IVM 0	95.4	97.0	97.5	97.9	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1074

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 12000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 6000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4500	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 2500	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 2000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1800	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1500	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1200	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1000	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 900	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 800	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 700	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 600	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 500	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 400	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 300	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 200	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 100	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 0	61.4	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1

TOTAL NUMBER OF OBSERVATIONS 1077

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING ≥ 20000	55.1	54.1	54.7	55.1	55.1	55.3	55.5	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5
IV 18000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 16000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 14000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 12000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 10000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 9000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 8000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 7000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 6000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 5000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 4500	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 4000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 3500	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 3000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 2500	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 2000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 1800	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 1500	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 1200	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 1000	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 900	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 800	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 700	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 600	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 500	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 400	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 300	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 200	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 100	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
IV 0	61.1	62.1	63.1	63.4	63.6	63.7	63.8	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8

TOTAL NUMBER OF OBSERVATIONS 1101

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	51.1	51.4	51.5	51.7	51.8	51.9	51.9	51.9	51.9	52.1	52.1	52.2	52.2	52.2	52.2
18000	61.0	62.0	62.7	62.8	63.1	63.1	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4
16000	63.0	64.0	64.7	64.8	65.1	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4
14000	65.0	66.0	66.7	66.8	67.1	67.1	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4
12000	67.0	68.0	68.7	68.8	69.1	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4
10000	69.0	70.0	70.7	70.8	71.1	71.1	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4
9000	71.0	72.0	72.7	72.8	73.1	73.1	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4
8000	73.0	74.0	74.7	74.8	75.1	75.1	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4
7000	75.0	76.0	76.7	76.8	77.1	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4
6000	77.0	78.0	78.7	78.8	79.1	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4
5000	79.0	80.0	80.7	80.8	81.1	81.1	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4
4500	81.0	82.0	82.7	82.8	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4
4000	83.0	84.0	84.7	84.8	85.1	85.1	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4
3500	85.0	86.0	86.7	86.8	87.1	87.1	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4
3000	87.0	88.0	88.7	88.8	89.1	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
2500	89.0	90.0	90.7	90.8	91.1	91.1	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4
2000	91.0	92.0	92.7	92.8	93.1	93.1	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4
1800	93.0	94.0	94.7	94.8	95.1	95.1	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4
1500	95.0	96.0	96.7	96.8	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
1200	97.0	98.0	98.7	98.8	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
1000	99.0	100.0	100.7	100.8	101.1	101.1	101.2	101.2	101.2	101.4	101.4	101.4	101.4	101.4	101.4
900	101.0	102.0	102.7	102.8	103.1	103.1	103.2	103.2	103.2	103.4	103.4	103.4	103.4	103.4	103.4
800	103.0	104.0	104.7	104.8	105.1	105.1	105.2	105.2	105.2	105.4	105.4	105.4	105.4	105.4	105.4
700	105.0	106.0	106.7	106.8	107.1	107.1	107.2	107.2	107.2	107.4	107.4	107.4	107.4	107.4	107.4
600	107.0	108.0	108.7	108.8	109.1	109.1	109.2	109.2	109.2	109.4	109.4	109.4	109.4	109.4	109.4
500	109.0	110.0	110.7	110.8	111.1	111.1	111.2	111.2	111.2	111.4	111.4	111.4	111.4	111.4	111.4
400	111.0	112.0	112.7	112.8	113.1	113.1	113.2	113.2	113.2	113.4	113.4	113.4	113.4	113.4	113.4
300	113.0	114.0	114.7	114.8	115.1	115.1	115.2	115.2	115.2	115.4	115.4	115.4	115.4	115.4	115.4
200	115.0	116.0	116.7	116.8	117.1	117.1	117.2	117.2	117.2	117.4	117.4	117.4	117.4	117.4	117.4
100	117.0	118.0	118.7	118.8	119.1	119.1	119.2	119.2	119.2	119.4	119.4	119.4	119.4	119.4	119.4
0	119.0	120.0	120.7	120.8	121.1	121.1	121.2	121.2	121.2	121.4	121.4	121.4	121.4	121.4	121.4

TOTAL NUMBER OF OBSERVATIONS 1145

ATC PROCEEDS  
USAF ETAC  
IN EASTERN HEMISPHERE

# CEILING VERSUS VISIBILITY

STATION NAME STATION YEARS 1964-1965 MONTH 1-12

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 18000 16000	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 14000 12000	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000 9000	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000 7000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000 5000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500 4000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3500 3000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500 2000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800 1500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200 1000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900 800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1135

WFO  
SUN  
OCT 1967

# CEILING VERSUS VISIBILITY

STATION NAME: WFO YEARS: 1967 MONTH: 10

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IVM 18000		59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IVM 16000		59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IVM 14000		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IVM 12000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IVM 10000		64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IVM 9000		67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IVM 8000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVM 7000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IVM 6000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IVM 5000		81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IVM 4500		82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IVM 4000		85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IVM 3500		87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IVM 3000		90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IVM 2500		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVM 2000		95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IVM 1800		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVM 1500		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVM 1200		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 1000		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IVM 900		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 800		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 700		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVM 600		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVM 500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1101





ATA PROCESSING UNIT  
 NAME  
 DATE OF SERVICE

# CEILING VERSUS VISIBILITY

STATION NAME

DATE

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2104-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .56	≥ .4	≥ 0
NO CEILING ≥ 20000	63.4	63.9	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.4	64.4	64.4
IVV 18000 16000	64.2	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.9	64.9	64.9
IVV 14000 12000	67.1	67.6	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.1	68.1	68.1
IVV 10000 9000	71.5	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.5	72.5	72.5
IVV 8000 7000	75.6	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.6	76.6	76.6
IVV 6000 5000	81.1	81.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.1	82.1	82.1
IVV 4500 4000	85.2	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.1	86.1	86.1
IVV 3500 3000	87.7	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7	88.8	88.8	88.8
IVV 2500 2000	91.4	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.8	92.8	92.8
IVV 1800 1500	94.5	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.5	95.5	95.5
IVV 1200 1000	95.5	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9	97.0	97.0	97.0
IVV 900 800	95.7	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.5	97.5	97.5
IVV 700 600	96.0	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.8	97.8	97.8
IVV 500 400	96.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.9	97.9	97.9
IVV 300 200	96.1	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.1	98.1	98.1
IVV 100 0	96.3	97.7	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 1000

DATA PROCESSING DIVISION  
SAFETY  
AIRPORT SERVICE/

# CEILING VERSUS VISIBILITY

1-46-66

STATION NAME

STATION

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000000000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .58	≥ .5	≥ .516	≥ .4	≥ 0	
NO CEILING ≥ 20000		51.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.0	62.2	62.4	62.4	62.4	62.6	62.6
IV 18000		53.4	64.8	65.1	65.1	65.3	65.4	65.6	65.7	65.8	66.0	66.0	66.0	66.3	66.3	66.4
IV 16000		53.4	64.8	65.1	65.1	65.3	65.4	65.6	65.7	65.8	66.0	66.0	66.0	66.3	66.3	66.4
IV 14000		53.4	65.0	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 12000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 10000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 9000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 8000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 7000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 6000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 5000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 4500		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 4000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 3500		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 3000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 2500		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 2000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 1800		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 1500		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 1200		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 1000		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 900		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 800		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 700		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 600		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 500		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 400		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 300		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 200		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 100		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6
IV 0		53.4	65.3	65.3	65.3	65.3	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.6

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
SAFETY  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 14026 STATION NAME 38-60 YEARS MONTH 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	58.6	59.4	60.0	60.8	60.9	61.2	61.6	61.6	61.9	61.9	61.9	62.3	62.6	62.6	63.1	
WV 18000 16000	62.0	63.1	63.7	64.4	64.6	64.9	65.2	65.2	65.6	65.6	65.6	65.9	66.3	66.3	66.5	
WV 14000 12000	62.4	63.4	64.1	64.8	65.0	65.2	65.6	65.6	65.9	65.9	65.9	66.3	66.7	66.7	67.1	
WV 10000 9000	63.6	64.8	65.4	66.1	66.3	66.6	66.9	66.9	67.3	67.3	67.3	67.7	68.0	68.0	68.3	
WV 8000 7000	66.6	67.7	68.4	69.1	69.3	69.3	69.9	69.9	70.3	70.3	70.3	70.6	71.0	71.0	71.4	
WV 6000 5000	67.8	69.0	69.6	70.3	70.5	70.5	71.1	71.1	71.5	71.5	71.5	71.9	72.2	72.2	72.7	
WV 4500 4000	68.7	70.1	70.7	71.5	71.7	72.0	72.3	72.3	72.7	72.7	72.7	73.0	73.4	73.4	73.8	
WV 3500 3000	71.6	72.8	73.5	74.3	74.5	74.5	75.1	75.1	75.4	75.4	75.4	75.8	76.2	76.2	76.6	
WV 2500 2000	74.7	76.1	76.7	77.5	77.7	78.0	78.3	78.3	78.7	78.7	78.7	79.0	79.4	79.4	79.8	
WV 1800 1500	76.2	77.5	78.1	78.9	79.1	79.4	79.7	79.7	80.1	80.1	80.1	80.5	80.8	80.8	81.3	
WV 1200 1000	77.9	79.2	79.8	80.6	80.8	81.1	81.5	81.5	81.8	81.8	81.8	82.2	82.5	82.5	83.0	
WV 900 800	78.8	80.2	80.9	81.8	82.0	82.4	82.7	82.7	83.0	83.0	83.0	83.5	83.9	83.9	84.4	
WV 700 600	80.7	82.1	82.8	83.7	84.0	84.4	84.7	84.7	85.0	85.0	85.0	85.5	85.9	85.9	86.4	
WV 500 400	82.7	84.1	84.8	85.7	86.0	86.4	86.7	86.7	87.1	87.1	87.1	87.5	87.9	87.9	88.4	
WV 300 200	84.7	86.1	86.8	87.7	88.0	88.4	88.7	88.7	89.1	89.1	89.1	89.5	89.9	89.9	90.4	
WV 100 0	86.7	88.1	88.8	89.7	90.0	90.4	90.7	90.7	91.1	91.1	91.1	91.5	91.9	91.9	92.4	
	88.7	90.1	90.8	91.7	92.0	92.4	92.7	92.7	93.1	93.1	93.1	93.5	93.9	93.9	94.4	
	90.7	92.1	92.8	93.7	94.0	94.4	94.7	94.7	95.1	95.1	95.1	95.5	95.9	95.9	96.4	
	92.7	94.1	94.8	95.7	96.0	96.4	96.7	96.7	97.1	97.1	97.1	97.5	97.9	97.9	98.4	
	94.7	96.1	96.8	97.7	98.0	98.4	98.7	98.7	99.1	99.1	99.1	99.5	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION  
USAF ETAC  
1515 EASTERN DRIVE, WASHINGTON, D.C. 20330

# CEILING VERSUS VISIBILITY

1-10-60

4-20-61 STATION NAME

30-7-61

YEARS

MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-09-04

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .58	≥ .5	≥ .36	≥ .3	≥ 0
NO CEILING																
≥ 20000	54.1	50.0	57.6	57.7	57.7	58.0	58.2	58.4	58.4	58.4	58.6	58.7	58.7	58.9	58.9	60.1
≥ 18000	53.4	50.7	61.5	61.6	61.6	62.1	62.2	62.4	62.4	62.7	62.7	62.7	62.7	62.9	63.1	64.4
≥ 16000	53.4	50.7	61.5	61.6	61.7	62.4	62.3	62.5	62.5	62.8	62.8	62.8	62.8	63.2	63.2	64.4
≥ 14000	61.1	61.0	61.9	62.0	62.0	62.4	62.6	62.8	62.8	63.0	63.0	63.0	63.2	63.5	63.5	64.7
≥ 12000	61.3	61.4	62.7	62.9	62.9	62.9	62.9	63.1	63.1	63.4	63.4	63.4	63.6	63.8	63.8	65.1
≥ 10000	61.5	62.4	63.4	63.4	63.4	63.8	64.0	64.2	64.2	64.4	64.4	64.4	64.6	64.9	64.9	66.1
≥ 9000	61.5	63.4	64.3	64.4	64.4	64.8	65.0	65.1	65.1	65.4	65.4	65.4	65.6	65.8	65.8	67.1
≥ 8000	64.5	65.4	66.3	66.4	66.4	66.8	67.0	67.2	67.2	67.4	67.4	67.4	67.6	67.8	67.8	69.1
≥ 7000	66.4	67.3	68.2	68.4	68.4	68.7	68.9	69.1	69.1	69.4	69.4	69.4	69.7	70.0	70.0	71.2
≥ 6000	67.5	68.4	69.3	69.4	69.4	69.8	70.0	70.1	70.1	70.4	70.4	70.4	70.8	71.0	71.0	72.3
≥ 5000	71.4	72.1	73.0	73.0	73.0	73.3	73.5	73.8	73.8	74.1	74.1	74.1	74.4	74.7	74.7	76.0
≥ 4500	71.4	72.1	73.0	73.0	73.0	73.3	73.5	73.8	73.8	74.1	74.1	74.1	74.4	74.7	74.7	76.0
≥ 4000	71.4	72.1	73.0	73.0	73.0	73.3	73.5	73.8	73.8	74.1	74.1	74.1	74.4	74.7	74.7	76.0
≥ 3500	71.4	72.1	73.0	73.0	73.0	73.3	73.5	73.8	73.8	74.1	74.1	74.1	74.4	74.7	74.7	76.0
≥ 3000	71.4	72.1	73.0	73.0	73.0	73.3	73.5	73.8	73.8	74.1	74.1	74.1	74.4	74.7	74.7	76.0
≥ 2500	81.3	82.0	83.0	83.0	83.0	83.6	84.4	84.5	84.6	84.6	85.0	85.0	85.4	85.9	85.9	87.1
≥ 2000	82.3	84.1	85.2	85.2	85.2	86.0	86.8	87.0	87.1	87.4	87.4	87.4	87.9	88.3	88.3	89.4
≥ 1800	82.3	84.1	85.2	85.2	85.2	86.0	86.8	87.1	87.3	87.4	87.7	87.7	88.2	88.7	88.7	89.9
≥ 1500	83.2	85.6	86.6	87.1	87.4	88.1	88.3	88.5	88.6	88.9	88.9	88.9	89.4	90.0	90.0	91.2
≥ 1200	84.2	86.7	87.9	88.0	88.7	89.2	89.7	89.9	90.0	90.3	90.3	90.3	91.0	91.5	91.5	92.7
≥ 1000	84.2	87.0	89.2	90.0	90.1	90.9	91.1	91.3	91.4	91.7	91.7	91.7	92.4	92.9	93.0	94.3
≥ 900	84.2	87.0	89.2	90.0	90.1	90.9	91.1	91.3	91.4	91.7	91.7	91.7	92.4	92.9	93.0	94.3
≥ 800	84.2	87.0	89.2	90.0	90.1	90.9	91.1	91.3	91.4	91.7	91.7	91.7	92.4	92.9	93.0	94.3
≥ 700	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 600	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 500	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 400	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 300	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 200	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 100	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	
≥ 0	85.3	88.0	89.8	91.0	91.2	92.0	92.4	92.5	92.6	93.0	93.0	93.6	94.1	94.2	95.6	

TOTAL NUMBER OF OBSERVATIONS 1149

ATA PR CLASS DIVISION  
SAR ETAC  
WILHELMSSVILLE, MO

## CEILING VERSUS VISIBILITY

STATION NAME WILHELMSSVILLE, MO YEARS 58-70 DATE 11-14-70  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .516	≥ .5
NO CEILING		55.2	55.4	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000		61.4	61.5	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2
IN 18000		61.5	61.7	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4
IN 16000		61.6	61.8	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5
IN 14000		61.8	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7
IN 12000		62.2	62.6	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9
IN 10000		63.3	63.5	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2
IN 9000		64.4	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0
IN 8000		67.2	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9
IN 7000		69.7	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4
IN 6000		71.7	72.0	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7
IN 5000		74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0
IN 4500		76.7	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
IN 4000		79.7	79.9	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
IN 3500		81.7	82.0	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7
IN 3000		83.7	84.0	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
IN 2500		85.7	86.0	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7
IN 2000		87.7	88.0	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
IN 1800		89.7	90.0	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7
IN 1500		91.7	92.0	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7
IN 1200		93.7	94.0	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
IN 1000		95.7	96.0	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
IN 900		97.7	98.0	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IN 800		99.7	100.0	100.4	100.5	100.5	100.5	100.6	100.6	100.6	100.6	100.7	100.7	100.7	100.7
IN 700		101.7	102.0	102.4	102.5	102.5	102.5	102.6	102.6	102.6	102.6	102.7	102.7	102.7	102.7
IN 600		103.7	104.0	104.4	104.5	104.5	104.5	104.6	104.6	104.6	104.6	104.7	104.7	104.7	104.7
IN 500		105.7	106.0	106.4	106.5	106.5	106.5	106.6	106.6	106.6	106.6	106.7	106.7	106.7	106.7
IN 400		107.7	108.0	108.4	108.5	108.5	108.5	108.6	108.6	108.6	108.6	108.7	108.7	108.7	108.7
IN 300		109.7	110.0	110.4	110.5	110.5	110.5	110.6	110.6	110.6	110.6	110.7	110.7	110.7	110.7
IN 200		111.7	112.0	112.4	112.5	112.5	112.5	112.6	112.6	112.6	112.6	112.7	112.7	112.7	112.7
IN 100		113.7	114.0	114.4	114.5	114.5	114.5	114.6	114.6	114.6	114.6	114.7	114.7	114.7	114.7
IN 0		115.7	116.0	116.4	116.5	116.5	116.5	116.6	116.6	116.6	116.6	116.7	116.7	116.7	116.7

TOTAL NUMBER OF OBSERVATIONS 1163



DATA PROCESSING DIVISION  
USAF ETAC  
IN WEATHER SERVICE/AFM

## CEILING VERSUS VISIBILITY

STATION NAME 58-7 YEARS 16  
MONTH 1 DAY 1 YEAR 1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 18000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 12000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1142



DATA PREPARED BY: [REDACTED]  
 DATE: [REDACTED]  
 LOCATION: [REDACTED]

# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	62.7	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 16000	62.7	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 9000	65.2	65.5	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	67.0	67.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	68.9	69.3	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	70.9	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 5000	74.0	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4500	75.3	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4000	77.1	80.3	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	81.4	82.5	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	84.9	86.0	86.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	87.6	89.0	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	90.8	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	92.6	91.0	91.6	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1500	94.1	91.6	92.2	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	95.9	92.6	93.6	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	97.5	93.6	94.4	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	97.0	93.6	94.5	95.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	97.0	93.6	94.7	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700	97.9	93.9	95.2	96.2	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	98.1	94.5	96.2	97.4	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	98.4	94.8	96.6	97.9	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	98.4	94.8	96.6	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	98.4	94.9	96.9	98.1	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	98.4	94.9	96.9	98.1	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	98.4	94.9	96.9	98.1	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	98.4	94.9	96.9	98.1	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1117

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	65.7	61.0	61.7	61.7	62.7	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.7	62.7
IV 25000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 18000	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	64.9	65.9	66.7	66.1	66.2	66.4	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 9000	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	70.0	71.0	71.1	71.2	71.4	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 7000	74.8	72.9	74.1	73.2	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	80.0	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 900	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 700	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 400	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 300	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 200	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 100	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS 1114

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SKY COVER

13024  
STATION

GURD AB SPAIN  
STATION NAME

52-70  
PERIOD

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	19.4	6.4	4.9	5.3	4.7	3.6	4.0	3.6	7.0	8.9	30.1	2.6	9093
FEB		24.7	7.7	3.8	4.5	4.0	3.7	4.4	3.6	6.8	9.3	27.3	5.3	8201
MAR		20.2	7.4	4.1	5.2	4.9	4.3	4.6	3.6	6.2	8.7	28.6	5.6	9515
APR		16.6	10.6	6.1	6.2	6.0	4.9	6.3	4.7	8.3	8.3	20.1	5.0	8995
MAY		29.8	11.3	5.3	6.8	5.3	4.4	5.3	3.7	6.2	7.5	14.2	4.0	9161
JUN		36.9	12.9	6.8	6.0	5.6	4.1	3.8	3.4	6.2	6.0	8.4	3.2	8838
JUL		75.3	8.3	2.8	3.2	2.1	1.4	1.4	.9	1.2	1.1	2.4	1.0	9102
AUG		68.1	9.6	3.8	3.8	2.0	1.6	2.4	1.5	2.2	1.5	2.9	1.3	9089
SEP		35.4	13.2	6.5	7.0	5.2	4.4	4.6	3.7	5.7	5.5	8.7	3.3	8811
OCT		30.0	9.9	5.9	6.8	5.0	3.9	4.0	3.7	6.4	7.7	16.6	4.2	9108
NOV		20.2	6.3	5.3	5.4	4.9	4.3	4.2	4.1	7.1	10.2	26.1	5.4	8782
DEC		26.4	6.6	4.3	5.1	4.3	3.3	3.3	3.2	5.4	7.8	28.3	5.1	9094
TOTALS		33.7	9.7	5.0	5.4	4.6	3.7	4.0	3.3	5.9	6.9	17.8	4.1	107869

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

13024 MURPHY AB SPAIN  
STATION STATION NAME

58-70

PERIOD

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	28.2	7.5	5.4	5.7	4.4	3.0	3.9	2.9	5.2	7.2	26.6	4.8	1116
	03-05	27.8	8.9	5.6	4.4	5.1	2.8	3.0	2.8	5.0	6.3	28.4	4.9	1116
	06-08	19.5	8.9	3.1	5.0	3.9	4.9	3.8	3.7	7.5	8.6	31.1	5.7	1137
	09-11	15.0	8.7	3.6	5.7	4.4	2.9	2.9	3.6	7.2	11.8	34.1	6.1	1179
	12-14	12.6	7.6	4.2	5.6	5.1	4.3	5.0	4.4	7.2	11.1	32.7	6.2	1179
	15-17	14.7	8.0	4.0	4.0	4.9	4.6	4.5	4.0	8.9	12.0	32.5	6.3	1137
	18-20	15.0	9.3	5.7	6.5	4.4	4.7	3.7	3.7	7.4	8.9	30.1	5.7	1115
	21-23	23.4	8.5	7.3	5.2	5.5	3.5	4.8	3.3	7.4	5.6	25.6	4.9	1114
TOTALS		19.4	8.4	4.9	5.3	4.7	3.8	4.0	3.6	7.0	8.9	30.1	5.6	9093

USAFETAC

FORM 0-9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

PERIOD

F. L. P.  
MON-H

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	33.4	7.7	3.4	4.0	4.6	3.7	5.5	3.3	5.9	5.1	22.2	4.4	1014
	03-05	35.8	7.3	3.4	3.9	4.0	3.3	3.5	4.1	6.8	4.6	23.1	4.4	1015
	06-08	25.1	8.1	4.1	4.9	3.7	2.2	3.4	2.7	6.1	10.6	29.1	5.3	1038
	09-11	22.3	7.5	3.3	4.5	2.1	3.2	3.8	2.1	7.4	14.1	29.6	5.7	1078
	12-14	17.8	7.0	2.8	4.4	3.5	4.0	4.4	3.4	7.5	13.6	31.5	6.1	1080
	15-17	15.8	6.8	3.6	4.4	4.7	4.3	4.6	5.4	7.3	12.5	30.7	6.1	1032
	18-20	19.3	8.0	4.2	5.1	3.8	4.2	5.3	4.4	8.4	8.9	28.4	5.6	1012
	21-23	27.8	9.5	5.6	4.5	5.8	4.7	5.0	3.4	4.7	5.1	23.7	4.6	1012
TOTALS		24.7	7.7	3.8	4.5	4.0	3.7	4.4	3.6	6.8	9.3	27.3	5.3	8281

2

## SKY COVER

4000 AB SPAIN

58-70

PER  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	29.2	7.9	5.3	6.1	4.4	4.0	5.9	3.5	7.0	4.6	22.1	4.5	1197
	03-05	30.2	6.9	4.3	5.8	5.2	4.4	4.6	2.9	5.8	4.5	25.4	4.6	1197
	06-08	19.6	8.5	4.1	4.5	4.3	4.0	3.3	4.3	7.1	9.0	31.3	5.7	1196
	09-11	18.6	7.2	2.8	3.8	4.8	3.3	3.6	2.9	8.1	9.5	35.0	6.0	1197
	12-14	12.8	6.5	3.9	4.6	5.3	3.8	5.3	3.9	10.2	14.1	29.5	6.3	1197
	15-17	12.7	7.5	2.6	4.4	5.6	5.8	4.7	4.1	9.6	11.2	31.8	6.3	1182
	18-20	15.2	7.9	4.2	6.1	4.1	5.1	4.3	3.2	9.4	10.4	30.1	5.9	1176
	21-23	23.6	6.5	5.5	6.3	5.7	4.3	5.1	4.2	8.0	5.9	24.9	5.1	1173

## SKY COVER

13024  
STATION

MURDER OF SPAIN

STATION NAME

58-70

PERIOD

PER  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	29.1	9.9	7.1	6.3	5.6	4.3	5.9	3.8	6.6	4.5	16.8	4.1	1146
	03-05	26.4	10.9	6.0	7.6	5.9	4.9	5.2	3.6	5.7	4.3	19.5	4.3	1145
	06-08	19.6	10.6	4.7	5.4	5.8	4.2	5.2	3.1	8.1	10.6	22.6	5.2	1149
	09-11	16.7	9.5	3.7	5.0	3.7	4.7	4.6	5.0	9.6	11.9	23.2	5.5	1149
	12-14	10.5	9.4	5.1	4.6	5.4	6.0	6.9	5.6	12.3	12.0	22.1	5.9	1146
	15-17	9.3	10.4	5.2	5.8	7.7	5.3	6.6	6.0	11.1	11.3	21.3	5.8	1102
	18-20	13.1	12.4	7.1	6.0	7.0	4.9	7.8	6.8	7.5	7.8	19.5	5.2	1080
	21-23	22.2	11.3	9.6	8.2	6.5	5.2	7.8	3.8	5.5	4.3	15.8	4.2	1078
TOTALS		18.6	10.6	6.1	6.2	6.0	4.9	6.3	4.7	8.3	8.3	20.1	5.0	8995



2

### SKY COVER

124

STATION NAME

PERIOD

12  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	42.0	11.9	5.8	7.5	4.1	3.3	4.3	3.2	4.4	3.6	9.7	2.9	1140
	03-05	38.2	10.5	7.5	6.6	5.4	3.4	4.1	2.1	5.2	4.6	12.3	3.3	1140
	06-08	30.6	10.7	4.9	6.6	3.8	3.1	4.6	2.6	5.8	10.8	16.4	4.2	1165
	09-11	27.4	10.3	3.2	6.0	4.8	4.5	4.6	3.2	6.4	11.0	18.6	4.6	1176
	12-14	22.6	10.1	3.7	4.8	6.2	5.9	5.9	4.3	8.4	11.2	16.9	4.9	1174
	15-17	19.4	10.4	5.6	5.7	7.4	5.8	7.7	4.7	7.5	9.9	15.5	4.8	1135
	18-20	24.6	11.5	6.1	9.0	5.7	5.8	5.3	5.4	6.6	6.2	13.8	4.2	1116
	21-23	33.8	14.2	5.6	8.5	6.2	3.3	5.7	4.4	5.1	3.0	10.2	3.3	1115
TOTALS		29.6	11.3	5.3	6.8	5.5	4.4	5.3	3.7	6.2	7.5	14.2	4.0	9161

**13C24**  
**STATION**

WORLD OF SPAIN

STATION NAME

56-70

PERIOD

100  
MONTH

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	50.1	11.1	6.3	7.1	3.9	3.3	2.7	1.9	4.7	2.6	6.3	2.3	1080
	03-05	41.7	13.1	7.1	4.9	6.9	5.2	2.9	3.7	4.1	4.0	6.4	2.7	1080
	06-08	35.4	10.5	5.6	5.1	4.4	4.3	3.8	3.9	6.9	0.0	12.1	3.7	1124
	09-11	33.5	10.7	5.3	5.3	5.2	2.9	3.5	4.0	7.3	9.4	12.6	3.9	1145
	12-14	26.5	14.2	7.4	5.4	5.4	5.1	5.1	3.9	8.4	8.6	9.9	3.9	1146
	15-17	27.0	15.0	6.7	6.7	6.6	5.0	5.3	4.3	7.7	7.1	8.0	3.7	1104
	18-20	35.7	12.8	9.2	7.8	6.0	3.7	3.6	3.7	5.9	5.0	6.0	3.0	1079
	21-23	44.4	15.7	6.6	6.0	5.5	3.1	3.7	1.7	4.5	3.1	5.6	2.4	1080
TOTALS		36.9	12.9	6.8	6.0	5.6	4.1	3.8	3.4	6.2	6.0	8.4	3.2	8823

## SKY COVER

13024  
STATION

MURKIN AB SPAIN

52-70

Jul  
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	83.2	6.5	1.3	2.4	1.4	.6	.6	.5	.1	.4	2.8	.7	1116
	03-05	78.0	6.2	2.5	2.4	1.6	1.1	1.7	.6	1.2	1.6	3.0	1.0	1116
	06-08	71.4	8.2	2.5	3.3	2.5	1.3	1.9	1.0	1.3	1.9	4.7	1.3	1138
	09-11	71.9	9.2	2.5	3.5	2.7	1.6	1.1	1.0	1.9	1.9	2.0	1.2	1182
	12-14	71.5	9.0	3.7	3.5	2.6	1.8	1.9	1.4	1.9	1.2	1.5	1.1	1182
	15-17	71.2	10.5	3.2	4.2	2.4	2.0	1.8	1.1	1.4	.8	1.4	1.0	1137
	18-20	74.2	9.9	3.3	3.2	1.8	2.6	1.2	.8	1.0	.6	1.4	.9	1115
	21-23	80.7	7.0	3.1	3.0	2.1	.5	1.0	.4	.4	.4	1.5	.6	1116
TOTALS		75.3	8.3	2.8	3.2	2.1	1.4	1.4	.9	1.2	1.1	2.4	1.0	9102

## SKY COVER

**13024**  
**STATION**

### WORLD AND SPAIN

STATION NAME

58-10

PERIOD

256  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	79.4	6.8	3.0	2.8	1.2	.6	.6	1.0	1.3	.4	3.0	.8	1117
	03-05	77.6	5.6	3.0	2.3	1.7	1.2	2.0	1.7	1.0	1.0	3.0	1.0	1113
	06-08	65.6	10.3	3.1	3.4	3.2	1.9	2.5	1.4	2.4	1.1	5.1	1.5	1132
	09-11	63.7	10.4	4.1	4.9	2.4	1.5	3.1	2.0	3.0	1.5	3.5	1.6	1175
	12-14	62.3	10.3	4.6	4.0	3.5	2.5	3.1	1.7	3.6	2.2	2.4	1.6	1179
	15-17	60.3	13.8	5.0	4.4	3.5	1.7	3.0	1.5	2.2	2.5	2.2	1.5	1142
	18-20	64.2	10.2	4.5	4.4	2.5	2.2	3.0	2.2	3.1	2.1	1.5	1.5	1117
	21-23	71.4	9.3	3.1	4.5	2.5	1.4	2.0	.8	1.3	1.1	2.5	1.1	1114
TOTALS		68.1	9.6	3.8	3.8	2.6	1.6	2.4	1.5	2.2	1.5	2.9	1.2	9089

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

13024 REFUG AB SPAIN  
STATION ST

36-70

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	48.6	10.5	5.9	7.4	3.9	2.9	3.9	2.4	4.1	3.1	7.3	2.5	1060
	03-05	47.9	11.6	6.6	5.9	4.1	4.1	3.2	3.3	2.6	3.2	7.4	2.5	1079
	06-08	34.5	10.5	6.9	6.5	4.4	2.9	5.4	4.6	6.4	7.3	10.6	3.6	1101
	09-11	30.6	14.4	6.6	5.7	4.3	4.3	5.7	4.0	7.8	7.8	8.7	3.6	1143
	12-14	25.2	13.9	5.6	8.2	5.4	5.5	5.3	5.3	8.2	8.0	9.3	4.0	1142
	15-17	23.4	13.5	6.4	7.3	7.1	6.9	6.2	4.8	7.7	6.3	10.3	4.0	1105
	18-20	29.2	15.6	7.0	8.2	6.6	4.8	4.3	3.1	6.0	5.2	9.2	3.4	1082
	21-23	43.7	15.8	6.7	5.9	6.0	3.9	3.1	2.4	2.9	2.7	6.9	2.4	1079
TOTALS		25.4	13.2	6.5	7.0	5.2	4.4	4.6	3.7	5.7	5.5	8.7	3.3	8811

## SKY COVER

13024  
STATION

WORLD AS SPAIN

58-70

26T  
MON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	42.4	8.6	5.5	7.3	5.0	2.1	3.8	3.2	4.6	3.8	13.3	3.2	1117
	03-05	40.5	9.8	6.5	7.3	3.4	2.8	3.2	2.3	4.5	5.1	14.5	3.4	1115
	06-08	29.3	9.9	5.0	5.8	5.5	4.0	4.1	4.8	7.2	7.5	16.8	4.3	1136
	09-11	20.8	9.9	4.5	6.3	5.2	3.9	4.6	4.1	6.9	9.7	18.2	4.6	1184
	12-14	20.6	10.2	5.5	6.5	5.9	4.7	4.2	3.6	8.1	11.2	19.6	5.0	1179
	15-17	18.9	9.9	6.0	6.7	4.4	4.8	4.2	4.5	7.2	12.2	20.7	5.2	1145
	18-20	24.5	10.0	7.4	7.5	6.0	4.6	4.6	3.9	7.6	8.5	15.1	4.4	1116
	21-23	37.1	10.8	7.1	7.3	4.3	4.5	3.0	3.4	4.7	3.4	14.4	3.4	1116

13024	MIRON AB SPAIN	58-70	V V
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	29.6	9.7	6.3	5.0	4.9	3.3	4.1	3.1	5.6	6.8	21.7	4.4	1076
	03-05	28.2	8.8	6.5	4.9	4.8	4.3	4.6	3.6	4.6	5.9	23.9	4.6	1076
	06-08	18.2	9.4	4.9	6.0	3.9	4.5	5.3	5.7	6.8	9.9	25.5	5.5	1100
	09-11	15.5	8.6	5.4	5.1	5.3	4.4	3.5	3.3	7.7	12.8	28.6	5.8	1137
	12-14	13.6	7.4	2.4	5.7	3.1	4.5	4.3	5.7	8.5	14.5	28.3	6.2	1134
	15-17	13.3	7.0	4.3	4.8	4.3	4.2	3.6	4.8	9.9	15.5	28.2	6.2	1101
	18-20	17.5	7.9	6.2	4.9	6.5	4.4	4.5	3.4	7.5	10.2	27.7	5.6	1079
	21-23	25.6	8.6	6.3	6.5	4.0	4.5	3.8	3.3	6.1	6.2	25.0	4.8	1079

DATA PROCESSING DIVISION  
FTAC/USAF  
AIR WEATHER SERVICE/TAC

13024	MURIN DE SPAIN	58-70	10
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	34.2	7.5	5.0	4.0	2.9	2.5	3.0	2.5	4.7	4.2	27.0	4.4	1116
	03-05	36.1	7.2	4.8	4.9	2.0	1.9	3.4	3.3	3.8	5.4	26.5	4.4	1114
	06-08	27.6	9.3	3.8	4.0	4.9	4.8	3.3	3.9	5.3	6.2	29.0	5.0	1135
	09-11	19.2	12.0	3.7	4.7	4.2	4.9	2.4	3.6	7.7	11.4	28.1	5.5	1181
	12-14	18.9	10.0	2.6	4.9	4.3	5.0	4.2	3.0	5.4	12.1	30.5	5.7	1177
	15-17	17.9	7.7	4.4	8.1	4.4	4.3	4.5	3.2	6.5	10.5	30.8	5.6	1142
	18-20	23.7	7.5	4.3	5.2	5.6	5.0	4.7	3.2	5.1	8.0	27.6	5.2	1117
	21-23	31.9	7.9	5.5	6.5	4.0	4.8	2.3	2.9	4.5	4.7	27.1	4.5	1112
TOTALS		26.2	8.6	4.3	5.1	4.3	3.3	3.5	3.2	5.4	7.8	28.3	5.1	9094



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA FROM 1951-1954  
 STATION  
 13526  
 STATION NAME

## DAILY TEMPERATURES

58-73

YEAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

DATE

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
110													1
105						1.4	2.4	3.2					6
100						4.4	12.2	16.0					10
95					3.5	16.9	44.4	49.2	1.7				11.0
90					14.0	34.2	75.4	77.0	34.7	0.			20.0
85				4.1	31.5	56.7	90.9	90.0	50.7	15.0			29.0
80			1.0	5.9	49.5	75.8	93.1	98.4	0.7	34.0			37.4
75		1.0	9.9	24.7	67.7	62.7	100.0	100.0	94.4	57.0	4.5		60.0
70	2.0	7.0	22.2	36.5	85.5	92.5			22.2	83.0	12.0	0.8	55.8
65	12.0	23.0	40.4	77.8	97.6	100.0			0.7	90.0	40.0	8.0	67.8
60	44.3	57.0	62.4	95.0	99.7				100.0	100.0	62.4	41.0	84.1
55	80.0	90.0	95.0	99.4	100.0						94.0	74.0	95.0
50	90.1	99.4	100.0	99.7							92.7	98.0	99.0
45	100.0	100.0		100.0							100.0	99.0	99.9
40												100.0	100.0
35													
30													
25													
20													
15													
10													
5													
0													
MEAN	57.7	61.0	63.0	69.9	75.3	83.8	93.3	93.0	80.4	76.4	64.5	58.4	74.5
S D	4.474	5.570	6.132	6.800	8.626	8.528	6.087	4.411	7.536	7.084	5.432	4.859	14.168
TOTAL OBS	372	339	392	360	372	360	372	372	360	372	358	372	4401



AT: PR 1581 1011

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1011

1011

1011

58-7

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM DAILY OBSERVATIONS

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90													
85						2.1	5.4	14.1	1.1				1.4
80					1.3	13.7	54.3	57.1	2.1				11.1
75					11.3	41.4	61.7	84.1	40.1	4.1			22.1
70			1.3	1.7	34.4	72.2	99.5	99.7	22.2	23.7			39.3
65		1.3	2.6	14.7	62.6	91.9	100.0	100.0	93.1	66.1	2.7		40.1
60	1.3	3.3	21.8	33.1	92.2	100.0			100.0	91.1	2.1	2.7	37.1
55	20.1	34.2	59.4	85.1	98.7					97.1	54.2	24.1	74.4
50	62.1	71.7	89.5	98.1	100.0					100.0	71.1	54.7	10.2
45	92.1	92.1	99.7	99.7							97.2	87.1	97.2
40	98.5	99.7	100.0	100.0							100.0	97.1	99.7
35	100.0	100.0											100.0
30													100.0
25													100.0
20													100.0
15													100.0
10													100.0
5													100.0
0													100.0
MEAN	51.2	52.3	55.7	57.6	67.1	73.2	78.9	79.5	74.4	66.1	54.2	50.4	63.7
S D	5.10	4.93	4.745	4.811	5.112	5.953	4.433	4.462	5.475	5.024	4.702	5.334	11.509
TOTAL OBS	17	333	392	360	372	360	372	372	360	372	336	372	4461









**■■■■**

[illegible]

25-1

4540

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 08-11-2010 BY 60322 UCBAW



## PSYCHROMETRIC SUMMARY

58-70

ALL

PAGE 2

444

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	DB W.B.	Dry Bulb	Wet Bulb	Dew Pt.											
44/ 43	.2	1.3	.4	.1	.0	.0												2233	2233	3487	6563											
42/ 41	.3	1.0	.3	.1	.0	.0												1843	1843	2654	5429											
40/ 39	.2	.8	.3	.0	.0													1428	1428	1864	4330											
38/ 37	.1	.6	.2	.0	.0													977	977	1469	3190											
36/ 35	.1	.5	.1	.0	.0													781	781	1019	2504											
34/ 33	.1	.3	.1	.0														481	481	804	1719											
32/ 31	.0	.2	.0	.0														291	291	504	1306											
30/ 29	.0	.1	.0															151	151	265	971											
28/ 27	.0	.0	.0															64	64	138	599											
26/ 25	.0	.0	.0															16	16	39	336											
24/ 23	.0	.0																5	5	11	181											
22/ 21	.0	.0																6	6	7	100											
20/ 19																					30											
18/ 17																					39											
16/ 15																					12											
14/ 13																					14											
12/ 11																					1											
TOTAL	3.3	23.7	16.7	11.9	9.4	7.4	5.6	4.6	3.6	3.0	2.6	2.1	1.8	1.4	1.1	.7	.8	107957		107945												
																		107945		107945												
	</																															

## PSYCHROMETRIC SUMMARY

58-70

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PAGE 1

ALL

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	TOTAL DB WB	TOTAL Dry Bulb Wet Bulb
82/ 81														.0				1	1
80/ 79									.0	.0			.0					3	3
78/ 77									.0		.0							2	2
76/ 75									.0	.0								3	3
74/ 73									.0									4	4
72/ 71						.0	.0		.0									10	10
70/ 69						.0	.1	.0		.0	.0							13	13
68/ 67				.0	.0	.2	.1	.0	.1	.0								40	40
66/ 65	.0		.0	.1	.3	.4	.1	.1	.0	.0								92	92
64/ 63	.0	.1	.2	.3	.3	.5	.3	.1	.0	.0								173	173
62/ 61	.1	1.1	.6	.6	.8	.5	.2	.1										369	369
60/ 59	.2	1.8	1.3	1.6	1.0	.6	.3	.0	.0									613	613
58/ 57	.5	2.4	1.8	1.7	1.1	.7	.1	.0	.0									755	755
56/ 55	.6	4.1	2.6	1.8	1.0	.5	.1	.0										965	965
54/ 53	.8	4.0	2.3	1.6	.7	.1	.1	.1										887	887
52/ 51	1.2	5.3	2.2	1.3	.5	.0	.1											956	956
50/ 49	1.1	4.8	2.2	.9	.3	.1	.0											860	860
48/ 47	1.0	4.2	1.4	.5	.2	.1												685	685
46/ 45	.7	4.0	1.1	.2	.2	.0												568	568
44/ 43	.7	3.1	.7	.3	.1													435	435
42/ 41	1.0	2.5	.6	.2	.1													401	401
40/ 39	.7	2.4	.6	.1	.0													353	353
38/ 37	.4	2.2	.3	.1														277	277
36/ 35	.3	2.0	.3	.1														241	241
34/ 33	.2	1.5	.3															178	178
32/ 31	.1	1.1	.2	.0														132	132
30/ 29	.0	.5	.1															59	59
28/ 27	.1	.1	.0															19	19
26/ 25	.0	.0																3	3
24/ 23																			
22/ 21																			
20/ 19																			
18/ 17																			
16/ 15																			
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.						$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	Total							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

USAFETAC  
FORM  
MAY 64  
0-26-5 (UL A)  
REVISED PREVIOUS EDITIONS OF THIS PUBM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-70

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PAGE 2

ALL

[illegible]

USAFETAC  
FORM  
NA 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

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ALL

Temp. °F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522
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DATA PROCESSING DIVISION  
USAF ETAF  
AIR WEATHER SERVICE/AC

# PSYCHROMETRIC SUMMARY

13024 1000 AB SPAIN

58-74

144

PAGE 1

ALL

Temp °F	WET BULB TEMPERATURE DEPRESSION °F																				TOTAL	TOTAL																				
	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42																				
84/ 83													.0	.0	.0						5	6																				
82/ 81													.0	.0							2	2																				
80/ 79													.0	.0	.0						15	15																				
78/ 77									.0	.1	.1	.1	.1	.1							44	44																				
76/ 75								.0	.1	.1	.2	.2	.1	.1	.0						76	76																				
74/ 73						.0	.0	.1	.1	.2	.3	.2	.1	.1							107	107																				
72/ 71					.0	.1	.1	.3	.3	.3	.3	.2	.2	.0							138	138																				
70/ 69				.0	.1	.1	.3	.4	.4	.6	.2	.0	.0								191	191																				
68/ 67			.1	.1	.4	.5	.5	.4	.3	.1	.0	.0									227	227																				
66/ 65			.1	.6	.7	.8	.5	.6	.3	.1	.0										40	340																				
64/ 63		.1	.4	1.2	1.0	1.1	.7	.5	.1												475	475																				
62/ 61	.1	.4	1.1	1.6	1.2	1.0	.5	.3	.0												590	590																				
60/ 59	.1	1.8	2.2	1.7	1.5	1.2	.5	.1	.0												839	839																				
58/ 57	.4	3.5	2.2	1.3	1.3	.8	.4	.1													974	974																				
56/ 55	.6	4.4	2.1	1.8	1.1	.6	.4	.0													1048	1048																				
54/ 53	.7	4.3	2.5	1.2	.7	.3	.1														938	938																				
52/ 51	.5	3.9	2.3	.8	.5	.2	.0														786	786																				
50/ 49	.4	4.2	2.1	.7	.3	.0															735	735																				
48/ 47	.4	3.7	1.6	.5	.2																596	596																				
46/ 45	.4	2.8	1.1	.3	.1																443	443																				
44/ 43	.3	2.2	.6	.2																	324	324																				
42/ 41	.3	1.8	.5	.1	.0																257	257																				
40/ 39	.2	1.4	.3	.0																	176	176																				
38/ 37	.1	.9	.1																		110	110																				
36/ 35	.0	.4	.1																		58	58																				
34/ 33	.0	.2																			20	20																				
32/ 31	.0	.0																			6	6																				
30/ 29	.0	.0																			1	1																				
28/ 27																																										
26/ 25																																										
24/ 23																																										
22/ 21																																										
18/ 17																																										
Element (X)	Σ X²																				No. Obs.																					
Rel. Hum.																																										
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										
Mean No. of Hours with Temperature																																										
<div> <div>≤ 0 F</div> <div>≤ 32 F</div> <div>≤ 67 F</div> <div>≤ 73 F</div> <div>≤ 80 F</div> <div>≤ 93 F</div> <div>Total</div> </div>																																										

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
MORON AB, MORON, SPAIN. REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC (U)  
MAY 72

USAFETAC/DS-80/087

**ML**

4. 



## PSYCHROMETRIC SUMMARY

**58-70**

MAR

STATION

STATION NAME

YEARS

MONTH

**PAGE 2**

ALL

HOURS L. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

APR

ALL

... S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/ 89																		1	1																
88/ 87																		5	5																
86/ 85											.0	.1	.0	.1	.0			24	24																
84/ 83											.1	.1	.1	.2	.0			37	37																
82/ 81										.0	.2	.2	.1	.0				52	52																
80/ 79								.1	.2	.3	.3	.1	.0					81	81																
78/ 77							.0	.3	.4	.5	.3	.1	.0					153	153																
76/ 75						.0	.2	.5	.4	.4	.2	.1						167	167																
74/ 73					.0	.3	.5	.5	.5	.4	.3	.0						217	217																
72/ 71					.2	.3	.6	.6	.6	.4	.2	.0						262	262																
70/ 69				.1	.4	.9	.9	1.0	.6	.3	.1							389	389																
68/ 67			.1	.4	1.0	1.3	.9	.7	.4	.2	.0							443	443																
66/ 65		.0	.3	.8	1.5	1.6	1.0	.5	.2									529	529	40															
64/ 63		.2	.7	1.5	1.5	1.2	.7	.5	.1									574	574	185															
62/ 61	.0	.6	1.4	1.9	1.5	1.1	.6	.1	.0									655	655	393	16														
60/ 59	.2	1.7	2.4	2.1	1.5	.8	.3	.1										808	808	690	125														
58/ 57	.2	3.1	2.6	1.6	1.1	.6	.2	.0										843	843	1017	306														
56/ 55	.3	3.8	2.8	1.5	.8	.2	.0											845	845	1324	599														
54/ 53	.2	4.5	2.4	1.2	.5	.1	.0											804	804	1294	967														
52/ 51	.3	3.9	2.3	.8	.2	.0												682	682	1174	1170														
50/ 49	.2	3.3	1.6	.5	.1													506	506	1011	1210														
48/ 47	.1	2.4	.8	.1	.0													312	312	720	1054														
46/ 45	.1	2.0	.4	.1														233	233	486	925														
44/ 43	.1	1.4	.3	.1														171	171	285	821														
42/ 41	.1	.8	.3															113	113	163	607														
40/ 39	.0	.4	.2															49	49	108	437														
38/ 37		.3	.0															33	33	48	301														
36/ 35		.1																11	11	35	208														
34/ 33	.0	.0																2	2	11	142														
32/ 31																				1	65														
30/ 29																					33														
28/ 27																					11														
26/ 25																					2														
24/ 23																					1														
Element (X)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																$\leq 0$ F		$\leq 32$ F		$\geq 67$ F		$\geq 73$ F		$\geq 80$ F		$\geq 93$ F		Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

APR

YEARS

ALL

HOURS: 11:30 - 7:00

[illegible]



## PSYCHROMETRIC SUMMARY

58-70

MAY

STATION

STAT ON NAME

YEARS

ALL

PAGE 2

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## PSYCHROMETRIC SUMMARY

58-70

JUN:

STATION

STATION NAME

YEARS

MON<sup>®</sup> 2

PAGE 2

ALL

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM 100-100

## PSYCHROMETRIC SUMMARY

58-70

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STATION	STATION NAME
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YEARS

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.															
12/111																		.0	4	4																	
10/109																		.1	8	8																	
08/107																		.1	10	10																	
06/105																		.2	17	17																	
04/103																.0	.0	.3	32	32																	
02/101														.0	.1	.2	.4	.4	64	64																	
00/99													.0	.2	.3	.5	.5	.5	126	126																	
98/97												.0	.2	.5	.7	.7	.5	.5	242	242																	
96/95									.0	.0	.1	.2	.6	1.0	1.0	.5	.3	.3	323	323																	
94/93									.1	.1	.3	.5	1.0	1.2	.8	.4	.1	.1	408	408																	
92/91								.0	.1	.2	.3	.9	1.2	.9	.5	.2	.1	.1	416	416																	
90/89								.0	.2	.5	1.0	1.3	1.1	.7	.3	.1	.0	.0	482	482																	
88/87							.0	.2	.3	.7	.9	1.1	.7	.3	.1	.0			402	402																	
86/85						.0	.1	.5	.8	1.2	1.1	.8	.5	.1	.1				462	462																	
84/83				.0	.0	.0	.3	.6	.9	1.3	1.2	.4	.1	.0					442	442																	
82/81						.2	.5	1.1	1.0	1.1	.5	.2	.0						426	426																	
80/79			.0	.1	.7	.9	1.3	1.3	.7	.2	.1	.0							494	494	1																
78/77		.0	.0	.1	.4	.8	.9	1.2	1.0	.2	.1	.0							441	441	5																
76/75		.0	.0	.3	1.0	1.1	1.6	1.2	.4	.2	.1								531	531	58	1															
74/73	.0	.0	.1	.9	1.1	1.3	1.3	.8	.2	.1	.0								541	541	197	7															
72/71	.0	.0	.7	1.3	1.6	1.7	1.0	.3	.2	.0									632	632	504	12															
70/69	.0	.2	1.4	1.6	1.7	1.4	.8	.2	.2										681	681	1061	28															
68/67	.0	.3	1.3	1.5	1.6	1.0	.3	.2											572	572	1386	153															
66/65	.1	.4	1.5	1.4	1.2	.5	.3	.1											484	484	1497	443															
64/63		.6	1.5	1.2	.6	.3	.1	.0											392	392	1406	631															
62/61	.0	.5	.9	.7	.3	.2	.1												237	237	1166	780															
60/59	.0	.3	.4	.5	.2	.1	.0												132	132	804	1049															
58/57		.2	.2	.2	.1	.1													74	74	505	1107															
56/55		.0	.1	.1	.1														27	27	269	1201															
54/53																																					

USAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

58-70

AUG

STATION

STATION NAME

YEARS

PAGE 1

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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## PSYCHROMETRIC SUMMARY

58-70

AUG

STATION	STATION NAME
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## YEARS

9.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

PAGE 2

ALL

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[illegible]

USAF/AFAL FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

## PSYCHROMETRIC SUMMARY

58-70

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PAGE 1

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
106/105																	.0		4		4																
104/103																	.1		8		8																
102/101																	.0	.2	24		24																
100/ 99															.0	.1	.1	.2	32		32																
98/ 97											.0	.0	.0	.1	.2	.2	.2		69		69																
96/ 95											.0	.0	.2	.4	.4	.2	.1		122		122																
94/ 93									.0		.0	.1	.4	.7	.5	.2	.0		174		174																
92/ 91									.0		.1	.5	.7	.7	.3	.0	.0		213		213																
90/ 89									.0		.1	.6	.7	.7	.4	.1			229		229																
88/ 87						.0	.0		.1	.3	.9	1.0	.6	.2	.1	.0			280		280																
86/ 85					.0	.0	.0	.2	.3	.8	1.3	.6	.5	.1	.1	.0			345		345																
84/ 83					.0	.0	.0	.3	.8	1.4	.8	.6	.2	.1	.0				378		378																
82/ 81		.0	.0	.0	.0	.3	1.0	1.3	1.1	.6	.3	.2	.0						426		426																
80/ 79			.0	.0	.2	.7	1.2	1.9	.6	.4	.1	.0	.0						467		467																
78/ 77			.0	.0	.1	.6	1.3	1.8	1.1	.5	.2	.2	.0						526		526	6															
76/ 75			.1	.7	1.2	2.1	1.2	.6	.3	.2	.0	.0							569		569	7															
74/ 73			.5	1.0	1.5	1.5	.9	.2	.2	.1	.0								527		527	26															
72/ 71		.0	.3	1.1	1.8	1.9	1.1	.4	.3	.0	.0	.0							621		621	156															
70/ 69		.1	1.3	2.1	2.5	1.6	.7	.3	.1	.1	.0								775		775	447															
68/ 67		.2	2.2	2.4	1.9	.9	.4	.2	.0	.0	.0								716		716	993															
66/ 65	.0	.6	2.6	2.2	1.5	.7	.3	.1	.0	.0									712		712	1420															
64/ 63	.0	1.0	2.4	1.8	.9	.5	.2	.0	.0	.0									586		587	1516															
62/ 61		.7	1.6	1.0	.5	.2	.0	.0	.0										359		359	1457															
60/ 59	.0	.5	1.0	.6	.3	.2	.0	.0	.0										238		238	1043															
58/ 57		.5	.8	.3	.1	.1	.0	.0											173		173	691															
56/ 55		.2	.4	.2	.1	.1	.0	.0											97		97	445															
54/ 53		.2	.3	.2	.1	.0	.0												72		72	260															
52/ 51		.1	.2	.1	.1	.0													47		47	139															
50/ 49		.1	.1	.0	.0														18		18	86															
48/																																					

## PSYCHROMETRIC SUMMARY

58-70

564

STATION	STATION NAME
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YEARS

$$k_1 \approx 10^{-10} \text{ s}^{-1}$$

PAGE 2

ALL

HOURS - 2, 3, 4.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL			TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi													
38/ 37																						57												
36/ 35																						46												
34/ 33																						22												
32/ 31																						10												
30/ 29																						4												
28/ 27																						5												
26/ 25																						12												
24/ 23																						d												
TOTAL	.0	4.2	13.0	12.7	11.8	10.0	8.9	7.7	7.0	5.5	5.2	4.3	3.6	2.7	1.7	.7	.9		8813	8814		8813												
																		8813		8813														

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

## PSYCHROMETRIC SUMMARY

58-70

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STATION	STATION NAME
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YEARS

PAGE 1

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1000

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## PSYCHROMETRIC SUMMARY

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PAGE 2

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100-35155

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## PSYCHROMETRIC SUMMARY

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DEC

PAGE 1

ALL

ALL  
H71-BS 1 5 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71																		2	2																
70/ 69																		9	9																
68/ 67																		24	24																
66/ 65																		69	69																
64/ 63																		168	168																
62/ 61																		331	331	40	15														
60/ 59																		561	561	159	78														
58/ 57																		709	709	363	185														
56/ 55																		835	835	571	303														
54/ 53																		858	858	752	475														
52/ 51																		852	852	928	621														
50/ 49																		896	896	1056	773														
48/ 47																		722	722	1009	882														
46/ 45																		639	639	963	949														
44/ 43																		543	543	725	905														
42/ 41																		499	499	714	840														
40/ 39																		430	430	465	821														
38/ 37																		314	314	422	567														
36/ 35																		261	261	322	410														
34/ 33																		180	180	258	395														
32/ 31																		84	84	166	289														
30/ 29																		61	61	94	238														
28/ 27																		37	37	64	134														
26/ 25																		11	11	16	103														
24/ 23																		5	5	10	45														
22/ 21																		6	6	9	16														
20/ 19																					10														
18/ 17																					24														
16/ 15																					14														
14/ 13																					13														
12/ 11																					1														
TOTAL	9.4	44.7	22.7	11.7	6.3	3.2	1.4	.4	.1									9106	9106		9106														
																		9106		9106															
Element (X)	$\Sigma x'$			$\Sigma x$			$\bar{x}$			$s_x$			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.	61247732			735352			80.814,310			9106			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total				
Dry Bulb	22863917			450347			49.5 8.060			9106						16.7			2.9									744							
Wet Bulb	20076286			422592			46.4 7.145			9106						29.3												744							
Dew Point	17649173			394425			43.3 7.875			9106						78.5												744							



## PSYCHROMETRIC SUMMARY

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JAN

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FD-35 (Rev. 5-22-64)

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

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JAN

PAGE 1 1200-1400

**Abstract**

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USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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— — — — —

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22-23	24	25	26-27	28-29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po.														
TOTAL	2.5	15.8	20.4	26.0	18.7	10.7	3.6	1.2	.8	.1				.1	.1						1179	1179	1179														
Element (X)	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature							Total																								
Rel. Hum.	9864994	81016	68.7	13.902	1179	< 0 F	- 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F																										
Dry Bulb	9840176	67036	56.9	4.929	1179			1.9	.5	.2		93																									
Wet Bulb	9129860	60476	51.3	4.872	1179							93																									
Dew Point	2561239	54239	46.0	7.486	1179		4.5					93																									





## PSYCHROMETRIC SUMMARY

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JAN

PAGE 1 1800-2000

[illegible]

**USAFETAC**  
FORM  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JAS

YEARS

**H<sub>2</sub>S**

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USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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PAGE 1 0000-0200

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## PSYCHROMETRIC SUMMARY

FLP

NO. 25

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

FL-6

PAGE 1 0900-1100  
HOURS S. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

FEB

PAGE 1 1200-1400  
HOURS S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Po.													
80/ 79						.1												1		1															
78/ 77						.3		.1										4		4															
76/ 75							.1											1		1															
74/ 73				.1	.2		.2	.1	.3									9		9															
72/ 71					.1	.2	.5	.3		.3								14		14															
70/ 69					.4	.4	.4	.4	.3									17		19		1													
68/ 67				.5	.8	.7	1.0	.6										40		40		5													
66/ 65			.7	.4	1.4	1.0	1.2	.8	.1									61		61		1													
64/ 63			1.5	1.9	1.7	1.9	.8	.5										88		88		4													
62/ 61		.5	1.8	3.1	2.0	3.1	.9	.4										127		127		23													
60/ 59	.1	1.6	2.1	3.9	2.9	3.4	.5	.4	.1									161		161		56													
58/ 57	.3	2.0	3.1	4.7	3.9	1.8	1.4	.4										189		189		102													
56/ 55	.5	1.3	2.4	3.7	2.3	1.8	.8	.2										140		140		59													
54/ 53	.2	1.8	1.6	2.6	1.8	1.3	.4											103		103		180													
52/ 51	.2	1.2	1.2	1.5	1.8	.7	.2											73		73		164													
50/ 49	.1	1.1	.4	.9	.2	.1												30		30		152													
48/ 47		.4			.5	.2												11		11		99													
46/ 45					.5	.1												6		6		84													
44/ 43			.1			.1												2		2		39													
42/ 41					.1													1		1		15													
40/ 39																						7													
38/ 37																						5													
36/ 35																						2													
34/ 33																						1													
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
TOTAL	1.3	9.8	14.8	23.1	20.4	17.1	8.3	4.1	.7	.3										1080		1080													
																		1080			1080														
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	4056204		68824		63.715		828		1080		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	3759914		63460		58.8		5364		1080						6.8		1.2		.1				84												
Wet Bulb	2943628		46132		52.0		4929		1080														84												
Dew Point	2319649		49393		45.7		7488		1080						4.7								84												

**USAFETAC** FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
MAY 44





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13024 MURDOCK AB SPAIN

59-70

PER

STATION STATION NAME

YEARS

PAGE 1 1800-2000

HOURLY TOTALS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Pt.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																					
80/ 79						.1												1															1	1				
78/ 77						.1												1															1	1				
74/ 73					.1	.1												4															4	4				
72/ 71							.2	.1	.1									3															3	3				
70/ 69			.1	.2			.4	.1										7															7	7	2			
68/ 67			.1	.1	.1	.4	.3	.3										13															13	13	3			
66/ 65		.1	.2	.6	.6	.4	.2	.1										16															16	16	1	1		
64/ 63		.3	.3	.6	.6	.8	.8	.1										35															35	35	4	2		
62/ 61		.4	.7	.7	.8	.4	.3	.1	.1									35															35	35	3	5		
60/ 59		1.8	1.8	1.4	1.0	.8	.4											72															72	72	21	3		
58/ 57	.4	4.6	3.4	1.9	1.8	1.1	.1	.2										136															136	136	57	23		
56/ 55	.2	5.5	5.1	2.4	2.5	.6	.3											167															167	167	104	47		
54/ 53	.7	5.0	5.8	2.5	1.7	.4	.2											165															165	165	141	72		
52/ 51	.1	4.7	5.2	1.7	1.8	.4												141															141	141	144	121		
50/ 49	.1	3.4	2.3	2.0	.7	.4												89															89	89	169	130		
48/ 47	.1	2.5	1.4	1.4	.8													62															62	62	138	133		
46/ 45		.7	1.1	.7	.6													31															31	31	88	100		
44/ 43			.6	1.1	.2													19															19	19	53	91		
42/ 41		.1	.6	.2														9															9	9	33	58		
40/ 39		.2	.2	.1														5															5	5	25	57		
38/ 37			.1															1															1	1	20	54		
36/ 35			.2															2															2	2	5	32		
34/ 33																																				3	22	
32/ 31																																					25	
30/ 29																																					18	
28/ 27																																					12	
26/ 25																																					5	
24/ 23																																					1	
TOTAL	1.62	29.32	8.81	7.11	3.1	5.8	3.2	1.0	.2									1014														1014	1014	1014	1014			
Element (X)	Σ X²			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature										Total												
Rel. Hum.	5792078			75082			74.013.153			1014			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total							
Dry Bulb	5037863			55211			54.4			5.593			1014						2.4			.5									84							
Wet Bulb	2584847			30719			50.0			5.252			1014						.4												84							
Dew Point	2179062			48438			49.8			7.188			1014			5.1															84							

## PSYCHROMETRIC SUMMARY

FEB

YEARS

35

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 MORON AB SPAIN

58-70

MAR

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point									
72/ 71											.3												3		3										
70/ 69										.1													1		1										
68/ 67								.1			.1												2		2										
66/ 65								.2		.3	.1												6		6										
64/ 63						.1				.1													2		2										
62/ 61		.4				.1				.1													7		7										
60/ 59		1.2	1.1	.2	.5	.3	.2																40		40	9									
58/ 57	.8	5.3	1.1	.3	.7	.3	.4																108		108	35									
56/ 55	.8	6.2	2.3	.9	.3	.3	.2																132		132	92									
54/ 53	1.1	6.3	2.7	.5	.5	.2	.2																137		137	124									
52/ 51	1.0	6.4	3.3	.7	.6	.1																	144		144	127									
50/ 49	.8	9.6	4.7	.6	.1																		188		188	162									
48/ 47	.6	7.1	3.6	.9	.2																		148		148	179									
46/ 45	.6	4.7	2.1	.7	.1																		97		97	155									
44/ 43	.5	2.8	.9	.3																			55		55	111									
42/ 41	.5	2.5	1.2	.2																			52		52	73									
40/ 39	.3	2.6	.9																				49		49	55									
38/ 37		1.5	.3																				22		22	49									
36/ 35		.1	.1																				2		2	20									
34/ 33		.1																					1		1	6									
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
TOTAL	7.0	57.1	24.3	5.3	2.9	1.3	.9	.3	.5	.2	.3												1197		1197	1197									
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.	8543871		99967		83.5		12.774		1197				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																	
Dry Bulb	3074067		60271		50.4		5.793		1197						0.5																				
Wet Bulb	2767257		57187		47.8		5.419		1197																										
Dew Point	2496259		54091		43.2		6.389		1197						3.3																				

## PSYCHROMETRIC SUMMARY

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STATION

STAT ON NAME

YEARS

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D-26-5 (OL A)

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**USAFETAC**

## PSYCHROMETRIC SUMMARY

58-7C

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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STA<sup>2</sup> IN

STAT. IN NAME

449

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PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.														
84/ 83																		7	2																
82/ 81																		1	1																
80/ 79																		2	2																
78/ 77																		13	13																
76/ 75																		25	25																
74/ 73																		36	36																
72/ 71																		47	47																
70/ 69																		63	68																
68/ 67																		74	74																
66/ 65																		110	110	2															
64/ 63																		157	157	9															
62/ 61																		187	187	39	1														
60/ 59																		159	159	118	22														
58/ 57																		132	132	195	38														
56/ 55																		97	97	208	90														
54/ 53																		42	42	189	106														
52/ 51																		27	27	169	129														
50/ 49																		8	8	132	133														
48/ 47																		5	5	72	107														
46/ 45																		1	1	39	114														
44/ 43																				19	101														
42/ 41																				5	86														
40/ 39																				1	93														
38/ 37																					63														
36/ 35																					40														
34/ 33																					26														
32/ 31																					22														
30/ 29																					18														
28/ 27																					5														
26/ 25																					2														
24/ 23																					1														
TOTAL	.8	6.1	8.4	20.3	18.5	17.5	9.8	6.5	5.8	3.5	1.2	.8	.3		.2			1197	1197		1197														
																		1197		1197															
Element (X)	$\Sigma x'$	$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.	4395625	69561		58.117.185		1197		$\leq 0$ F		$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	Total																				
Dry Bulb	4712144	74760		62.5		5.990		1197		21.1		6.4	.3	93																					
Wet Bulb	3497618	64500		53.9		4.294		1197						93																					
Dew Point	2827875	53438		46.3		7.117		1197		3.7				93																					



## PSYCHROMETRIC SUMMARY

58-70

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew F														
84/ 83													.1	.2	.1			4	4																
82/ 81														.1				1	1																
80/ 79									.2	.2	.3	.1	.2					11	11																
78/ 77						.1		.2	.3	.6	.4	.4	.3					27	27																
76/ 75					.3	.3	.3	.3	.3	1.3	.7	.3	.1					40	40																
74/ 73					.1	.3	1.0	1.1	1.1	1.0	.7	.2						52	52																
72/ 71					.2	.3	1.1	.8	1.0	.6	.3							50	50																
70/ 69				.1	.4	.8	1.4	.8	1.7	.5								67	67																
68/ 67				.3	1.3	1.6	1.0	1.0	1.1	.2								78	78	1															
66/ 65			.2	2.0	2.4	2.5	1.2	1.3	.8									121	121	5															
64/ 63			.7	3.6	2.2	3.2	1.3	1.7	.6									156	156	14	1														
62/ 61	.1	.7	2.4	3.0	2.5	2.5	1.3	1.2										159	159	31	2														
60/ 59	.2	1.3	2.6	2.5	3.7	2.7	1.5	.4										177	177	137	13														
58/ 57	.1	1.3	1.4	1.1	1.5	1.8	.7	.6										100	100	212	38														
56/ 55		1.3	1.1	1.2	.8	.6	.9											70	70	197	94														
54/ 53	.2	1.4	.6	.3	.4		.2											36	36	191	119														
52/ 51		.5	.3	.3	.3	.3												18	18	162	133														
50/ 49	.1	.4		.1														7	7	113	119														
48/ 47		.5	.2	.1														9	9	66	95														
46/ 45																				34	103														
44/ 43																				16	91														
42/ 41																				4	86														
40/ 39																					91														
38/ 37																					64														
36/ 35																					47														
34/ 33																					30														
32/ 31																					14														
30/ 29																					26														
28/ 27																					11														
26/ 25																					5														
24/ 23																					1														
TOTAL	.6	7.3	9.4	14.5	15.6	16.7	11.1	9.4	6.9	4.3	2.3	.9	.7	.3	.1			1183	1183	1183	1183														
																		1183		1183	1183														
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	4143429		66481		56.218		565		1183		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	4819122		75118		63.5		6.457		1183						25.9		10.6		.6				93												
Wet Bulb	3502616		64172		54.2		4.274		1183						.1								93												
Dew Point	2578710		54526		46.1		7.446		1183						4.5								93												

**USAFETAC**  
FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

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13024 MURDO - AB SPAIN

58-70

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PAGE 1 0000-0200

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## PSYCHROMETRIC SUMMARY

APR

YEARS

HOURS: 9:00 A.M. - 5:00 P.M.

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 MURON AB SPAIN

58-70

APR

STATION

STATION NAME

YEARS

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
88/ 87												.1																				1	1			
86/ 85											.3	.2	.1																		7	7				
84/ 83											.4	.1	.4	.6																	18	18				
82/ 81											.1	.4	.4	.1																	17	17				
80/ 79										.1	.3	1.0	.5	.2																	24	24				
78/ 77								.1	.8	1.2	1.0	.6	.3																		46	46				
76/ 75						.1	1.0	1.7	1.2	1.1	.6	.3																			70	70				
74/ 73					.1	.9	1.4	.9	1.4	1.2	.7																				75	75				
72/ 71					.3	.9	1.4	1.7	1.1	1.0	.3	.1																			79	79				
70/ 69			.1	.9	1.7	1.9	2.6	1.6	1.0																						113	113				
68/ 67			.2	.8	3.0	2.4	3.7	2.1	1.1	.8	.1																				162	162				
66/ 65		.1	.6	1.8	3.6	3.7	2.6	1.2	.6																						164	164				
64/ 63		.2	.6	1.6	1.7	2.8	1.1	1.2	.1																						107	107				
62/ 61		.6	.6	1.5	2.3	2.4	.4	.2																							92	92				
60/ 59		.4	.5	1.9	1.8	1.3	.4	.2																							76	76				
58/ 57		.9	.3	1.0	1.7	.4	.1																								50	50				
56/ 55	.2	.6	.3	.5	.4	.1																									24	24				
54/ 53		.3	.2	.2	.3																										11	11				
52/ 51		.2	.2	.1	.2																										7	7				
50/ 49		.1	.1																												2	2				
48/ 47																																15	15			
46/ 45																															8	8				
44/ 43			.3																												3	3				
42/ 41																																				
40/ 39																																				
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
26/ 25																																				
TOTAL	.2	3.4	3.8	9.4	16.1	16.8	14.1	12.7	8.8	6.1	3.7	2.0	.8																		1148	1148				
Element (X)	Σ x²			Σ x			X			x			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.	3213761			58929			51.315			868			1148			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb	5268337			77377			67.4			6.708			1148									48.0			20.2			4.9						90		
Wet Bulb	3676106			64782			56.4			4.221			1148									.1												90		
Dew Point	2643374			54874			47.9			6.937			1148						1.6															90		



## PSYCHROMETRIC SUMMARY

AFP

STATION

STATION NAME

VARS

0.0 0.5 1.0

PAGE 1 1500-1700

1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 26

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USAFETAC  
FORM  
JAN 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-70

APR

PAGE 2 1500-1700

[illegible]







## PSYCHROMETRIC SUMMARY

58-70

447

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.														
76/ 75								.1										1	1																
74/ 73								.1										1	1																
72/ 71						.4			.2									6	6																
70/ 69				.1	.4	.3	.2	.4	.2									17	17																
68/ 67			.2	.2	.7	.3	.3		.1									19	19																
66/ 65		.3	.3	.4	.4	.4	.3	.1										27	27																
64/ 63		.4	1.8	1.1	.7	.5	.1	.4										56	56	11															
62/ 61		1.4	2.5	1.8	.6	.4	.3	.1										79	79	24	7														
60/ 59	.7	5.5	3.2	2.0	.9	.3	.1	.1										145	145	66	22														
58/ 57	.6	6.9	4.8	1.6	.7	.4	.4											175	175	146	84														
56/ 55	.7	7.6	4.4	1.2	.8	.4	.1											173	173	173	138														
54/ 53	.5	6.1	3.9	.9	.7													138	138	187	143														
52/ 51	.4	5.1	3.9	1.4	.2	.2												126	126	153	154														
50/ 49	.1	3.9	2.5	1.2	.1													89	89	131	136														
48/ 47	.2	2.4	.9	.5	.3													48	48	107	135														
46/ 45		1.8	.2															23	23	81	98														
44/ 43			.8															9	9	39	75														
42/ 41	.2	.5																8	8	19	59														
40/ 39																				3	38														
38/ 37																					21														
36/ 35																					14														
34/ 33																					9														
32/ 31																					6														
28/ 27																					1														
TOTAL	3.34	2.82	8.01	2.3	6.4	3.3	1.6	1.2	.4									1140	1140	1140															







## PSYCHROMETRIC SUMMARY

58-70

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PAGE 2 0900-1100

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USAFETAC  
FORM 0-26-5 (O.L.A.)  
MAY 64  
REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 STATION NAME  
MURRIET AB SPAIN

58-70

YEARS

MAY

PAGE 1 1200-1400

HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.																																																																																																																																																																																																																																																																																																																																																																																																					
98/ 97																																	.1	1	1																																																																																																																																																																																																																																																																																																																																																																																																						
96/ 95																												.1	.3				.3	.3	11	11																																																																																																																																																																																																																																																																																																																																																																																																					
94/ 93																												.3	.5				.4	.3	17	17																																																																																																																																																																																																																																																																																																																																																																																																					
92/ 91																											.7	.3	.5			.9	.2	30	30																																																																																																																																																																																																																																																																																																																																																																																																						
90/ 89																					.2	.8						.9	.3		.2	.1	37	37																																																																																																																																																																																																																																																																																																																																																																																																							
88/ 87																		.1	1.0			.8	1.2	.9	.3	.1	.1						.1	.1	52	52																																																																																																																																																																																																																																																																																																																																																																																																					
86/ 85																	.4	1.3	1.3	2.0	1.0	.6	.2	.2										.2	.2	82	82																																																																																																																																																																																																																																																																																																																																																																																																				
84/ 83																	1.0	1.6	2.4	1.4	1.3	.3	.1													.1	.1	94	94																																																																																																																																																																																																																																																																																																																																																																																																		
82/ 81													.1	1.2	1.3	1.9	1.8	1.5		.4																		.1	.1	96	96																																																																																																																																																																																																																																																																																																																																																																																																
80/ 79										.1	.3	.9	1.3	1.4	1.5	.8																							.3	.3	78	78																																																																																																																																																																																																																																																																																																																																																																																															
78/ 77										.4	.1	1.4	1.5	1.4	1.4	1.1																									.4	.4	86	86																																																																																																																																																																																																																																																																																																																																																																																													
76/ 75										.8	.6	2.6	1.7	1.1	1.1	.4																										.8	.8	98	98																																																																																																																																																																																																																																																																																																																																																																																												
74/ 73										.5	1.6	1.5	1.2	.9	.6																												.6	.6	75	75																																																																																																																																																																																																																																																																																																																																																																																											
72/ 71					.2	.4	1.0	1.0	1.6	1.3	.9	.3																															.3	.3	78	78																																																																																																																																																																																																																																																																																																																																																																																											
70/ 69			.2	.2	.3	1.1	1.4	1.1	1.5	.7	.3																																		.3	.3	80	80																																																																																																																																																																																																																																																																																																																																																																																									
68/ 67			.2	.3	.7	1.2	1.3	1.0	.4	.7																																				.3	.3	67	67																																																																																																																																																																																																																																																																																																																																																																																								
66/ 65	.1	.2	.4	.9	1.8	1.7	.8	.5	.2																																					.4	.4	107	107																																																																																																																																																																																																																																																																																																																																																																																								
64/ 63	.1	.3	.6	.9	.5	.9	.1	.3	.1																																				.5	.5	77	77																																																																																																																																																																																																																																																																																																																																																																																									
62/ 61	.1	.9	1.5	.9	.3	.3	.1																																							.6	.6	46	46																																																																																																																																																																																																																																																																																																																																																																																								
60/ 59		.5	.4	.2	.1																																								.7	.7	48	48																																																																																																																																																																																																																																																																																																																																																																																									
58/ 57		.3	.1	.2																																									.8	.8	14	14																																																																																																																																																																																																																																																																																																																																																																																									
56/ 55		.1	.1																																									.9	.9	7	7																																																																																																																																																																																																																																																																																																																																																																																										
54/ 53																																															.1	.1	2	2																																																																																																																																																																																																																																																																																																																																																																																							
52/ 51																																															.2	.2																																																																																																																																																																																																																																																																																																																																																																																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-70

MAY

PAGE 2 1200-1400

[illegible]

DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024

MURKIN AB SPAIN

58-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (LOCAL)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.																		
98/ 97																		.3	3	3																			
96/ 95																		.3	.9	17	17																		
94/ 93													.1	.1	.8	.7	.5	.4	30	30																			
92/ 91												.2	.1	.9	.7	.5	.4	.1	33	33																			
90/ 89												.1	1.2	1.8	1.5	.5	.7		66	66																			
88/ 87										.4	1.1	.7	1.5	1.0	.8	.3			70	70																			
86/ 85								.1	.4	.6	1.2	1.9	1.4	.7	.2	.2	.1		78	78																			
84/ 83							.2	.6	1.5	2.2	1.6	1.3	.2						86	86																			
82/ 81					.1	.1	.8	.7	2.3	1.4	1.2	.4							79	79																			
80/ 79					.2	.2	.7	1.3	1.8	1.2	2.0	.7							93	93																			
78/ 77					.1	.1	.3	1.1	1.5	1.1	1.9	.8							79	79																			
76/ 75					.2	1.1	1.4	.9	1.1	1.9	.5								80	80																			
74/ 73					.4	.7	1.2	1.9	.7	.4	.5	.4							72	72	1																		
72/ 71			.1	.3	.4	.6	2.0	1.1	1.1	.6	.1								71	71	4																		
70/ 69			.1	.3	.9	1.7	1.3	.6	1.0	.3	.1								70	70	32																		
68/ 67		.1	.3	.7	1.3	1.2	1.1	.5	.3										62	62	88																		
66/ 65	.1	.1	.3	.7	.8	.5	.8	.4	.2	.1									44	44	129																		
64/ 63	.3	.5	.4	1.1	.6	1.0	.3												48	48	192																		
62/ 61	.1	.8	.8	.5	.4														29	29	192																		
60/ 59		.3	.4	.3		.3													14	14	188																		
58/ 57	.1	.6	.1	.3															12	12	152																		
56/ 55		.1																	1	1	89																		
54/ 53																					53																		
52/ 51																					12																		
50/ 49																					5																		
48/ 47																																							
46/ 45																																							
44/ 43																																							
42/ 41																																							
40/ 39																																							
38/ 37																																							
36/ 35																																							
34/ 33																																							
32/ 31																																							
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma^2$					No. Obs.					Mean No. of Hours with Temperature													
Rel. Hum.																										≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

## PSYCHROMETRIC SUMMARY

58-70

44Y

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
30/ 29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13024 MOKO AB SPAIN

58-69

MAY

STATION STATION NAME

YEARS

PAGE 1 1800-2000

HOURS 11.50.00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po.														
94/ 93													.1	.1	.1			3	3																
92/ 91											.1		.3		.1		.2	7	7																
90/ 89												.3	.4	.2	.2	.2		13	13																
88/ 87										.1	.4	.2	.7	.1	.6	.1		25	25																
86/ 85									.3	.4	.6	.5	.9	.2	.3			35	35																
84/ 83								.5	1.6	1.0	.8	.6	.6	.3				54	54																
82/ 81						.1		.7	1.1	1.3	.9	.4	.5	.2		.1		60	60																
80/ 79					.1	.4	1.3	.8	1.2	1.1	.4	.2	.1					62	62																
78/ 77					.2	.5	1.9	2.0	1.2	.7	.8	.6	.2	.1				82	82																
76/ 75					.2	.5	1.9	2.0	1.2	.5	.7	.2	.1					81	81																
74/ 73				.1	.5	1.9	2.0	1.4	.5	.8	.4	.1						87	87																
72/ 71				.3	1.4	1.5	2.2	.6	1.0	.4	.2							84	84	2															
70/ 69			.2	1.1	2.2	2.2	1.6	.5	.6	.4								98	98	12															
68/ 67		.1	.5	1.6	2.8	1.7	1.0	.5	.3	.2								97	97	45															
66/ 65		.4	.8	2.2	2.2	1.3	.7	.4	.1									91	91	113	2														
64/ 63		.4	1.7	1.6	1.6	1.1	.2	.3										77	77	149	10														
62/ 61		.9	1.4	2.0	1.1	.3	.1	.3										67	67	197	40														
60/ 59		1.3	1.1	1.2	.4	.1	.1											46	46	199	84														
58/ 57	.2	1.0	1.0	.6	.2	.1												34	34	155	121														
56/ 55		.2	.4	.1														8	8	125	151														
54/ 53		.2	.1															3	3	73	151														
52/ 51			.2															2	2	30	154														
50/ 49																				14	98														
48/ 47																				2	71														
46/ 45																					65														
44/ 43																					31														
42/ 41																					36														
40/ 39																					26														
38/ 37																					23														
36/ 35																					23														
34/ 33																					13														
32/ 31																					11														
30/ 29																					3														
28/ 25																					1														
Element (X)	Σ X <sup>2</sup>					Σ X					Σ					Σ X					Σ X					Σ X									
Rel. Num.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

13024 MURKIN AB SPAIN

58-69

H. J. S. S. S.

**USAFETAC**  
FORM  
JUL 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024

MURON AB SPAIN

58-69

MAY

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
84/ 83											.1							1			1																
82/ 81										.1	.2				.1			4			4																
80/ 79									.3	.2	.1							6			6																
78/ 77								.4	.4	.2	.2				.2			15			15																
76/ 75								.4	.6	.6	.1	.1		.1	.1			23			23																
74/ 73				.1		.7		.7	.9	.4				.1				32			32																
72/ 71				.1	.9	1.5	1.0	.7	.6	.2	.1	.2						59			59																
70/ 69			.1	1.2	1.9	1.5	1.5	.6	.3	.2	.2							83			83																
68/ 67			.6	2.4	2.9	1.9	1.1	.3	.3									105			105												1				
66/ 65			1.6	3.2	3.0	1.1	.4	.6										110			110											15		1			
64/ 63		.4	4.3	3.5	1.3	.9	.7	.2	.2									128			128											66		3			
62/ 61		2.2	3.9	3.1	2.1	.6	.4	.1										137			137											130		12			
60/ 59		5.0	4.9	2.5	1.1	.5	.4											161			163											198		80			
58/ 57	.6	3.3	3.2	1.8	.6	.4	.1											113			113											228		171			
56/ 55		3.5	3.1	.7	.3													83			83											162		166			
54/ 53		1.3	1.2	.4		.1												33			33											153		166			
52/ 51		.5	.4	.1														12			12											90		150			
50/ 49		.2	.1															5			5											43		120			
48/ 47		.2																2			2											21		89			
46/ 45																																	4		48		
44/ 43		.1																1			1											2		26			
42/ 41																																				25	
40/ 39																																				19	
38/ 37																																				16	
36/ 35																																				4	
34/ 33																																				4	
32/ 31																																				4	
30/ 29																																				5	
28/ 27																																				3	
24/ 23																																				1	
TOTAL	.6	16.7	23.5	19.1	14.0	9.3	7.1	4.8	2.8	.9	.4	.4	.4					1113			1113											1113		1113			
Element (X)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.	5624882			76936			69.116			6.047			1113			$\leq 0 F$			$\leq 32 F$			$\geq 67 F$			$\geq 73 F$			$\geq 80 F$			$\geq 93 F$			Total			
Dry Bulb	4505206			70554			63.3			6.048			1113									27.4			6.8			.8						93			
Wet Bulb	3622526			63340			56.9			4.011			1113									.1												93			
Dew Point	3053676			57936			52.1			5.836			1113			1.1																		93			





## PSYCHROMETRIC SUMMARY

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## SYNOPSIS

STATION NAME

YEARS

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[illegible]

**USAFETAC**





## PSYCHROMETRIC SUMMARY

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[illegible]



## PSYCHROMETRIC SUMMARY

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PAGE 2 1200-1400

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

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PAGE 2 1500-1700



## PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

PAGE 2 1800-2000

USAFETAC  
FORM 0-26-5 (OLA)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

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PAGE 1 0000-0200

[illegible]

USAFETAC  
FORM  
NA 44  
0-26-5 (O.L.A.)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

13024 MURKIN IN SPAIN

28-70

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STATION	STATION NAME
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## REFERENCES

PAGE 1 0600-0800

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew F													
94/ 93																.1		1	1															
86/ 85									.1			.2	.1	.1				5	5															
84/ 83									.2	.2	.3	.3	.1					11	11															
82/ 81								.1	.4	.4	.7	.1						20	20															
80/ 79					.2	.4	.8	.8	1.1	.2	.2	.1						42	42															
78/ 77				.1	.4	.7	1.1	1.0	1.0	.2	.3							53	53															
76/ 75				.2	1.6	1.1	2.3	1.8	.3	.2								84	84															
74/ 73			.2	1.8	1.8	1.8	2.3	1.5	.5	.3								114	114															
72/ 71		.1	1.5	2.4	2.5	3.3	2.1	.5	.3	.1								144	144	4														
70/ 69		.4	2.5	3.6	2.9	3.2	1.7	.4	.4									172	172	33	2													
68/ 67	.1	.5	3.5	3.1	3.2	1.6	.4	.4										140	140	91	16													
66/ 65	.1	.5	2.8	2.8	2.2	.7	1.1	.1										117	117	157	51													
64/ 63		.7	3.3	2.6	1.1	.9	.4	.1										103	103	184	99													
62/ 61	.1	1.1	1.7	1.2	.7	.4	.2											61	61	225	115													
60/ 59	.1	.4	1.6	1.1	.6													36	36	178	110													
58/ 57		.4	.5	.7	.3	.3												25	25	123	156													
56/ 55		.2	.2	.2	.3													9	9	67	163													
54/ 53			.1															1	1	48	140													
52/ 51																				16	107													
50/ 49																				7	65													
48/ 47																				5	42													
46/ 45																					29													
44/ 43																					21													
42/ 41																					13													
40/ 39																					6													
38/ 37																					6													
TOTAL	.4	4.4	16.8	19.7	17.5	14.1	12.4	7.4	4.1	1.8	1.0	.3	.1		.1			1138	1138	1138	1138													

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4936258	72008	64.2	4.959	1138	< 67 F	< 73 F	> 80 F	< 93 F			
Dry Bulb	5528414	79040	69.5	5.832	1138	64.2	27.0	4.1	.1		93	
Wet Bulb	4309297	69861	61.4	4.254	1138	10.5					93	
Dew Point	3609863	63743	56.0	3.871	1138							

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JUL

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## PSYCHROMETRIC SUMMARY

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WORTH: AB SPAIN

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PAGE 2 0900-1100

[illegible]

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 MIKID AB SPAIN

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JUL

STATION

YEARS

PAGE 1 1200-1400

MO. 12.00-14.00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL D.B. W.B.	TOTAL Dry Bulb Wet Bulb Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
12/111																																			.2	2	2		
10/109																																			.1	1	1		
08/107																																			.3	3	3		
06/105																																			.4	5	5		
04/103																																			.1	11	11		
02/101																																			.2	17	17		
00/ 99																																			.4	37	37		
98/ 97																																			.9	68	68		
96/ 95																																			.4	111	111		
94/ 93																																			.8	153	153		
92/ 91																																			.3	153	153		
90/ 89																																			.3	167	167		
88/ 87																																			.8	120	120		
86/ 85																																			.2	100	100		
84/ 83																																			.1	85	85		
82/ 81																																			.3	60	60		
80/ 79																																			.1	40	40		
78/ 77																																			.1	28	28		
76/ 75																																			.1	14	14		
74/ 73																																			.1	7	7		
72/ 71																																							
70/ 69																																							
68/ 67																																							
66/ 65																																							
64/ 63																																							
62/ 61																																							
60/ 59																																							
58/ 57																																							
56/ 55																																							
54/ 53																																							
52/ 51																																							
50/ 49																																							
48/ 47																																							
46/ 45																																							
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s^2$		No. Obs.		Mean No. of Hours with Temperature										Total																		
Rel. Hum.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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PAGE 2 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.																
44/ 43																						41															
42/ 41																						20															
40/ 39																						14															
38/ 37																						4															
34/ 33																						0															
32/ 31																						1															
28/ 27																						1															
TOTAL		.2	.2	.7	1.8	4.9	6.4	11.0	11.9	13.4	15.3	13.0	10.1	5.3	5.8			1182				1182															
																		1182				1182															

No. Obs.	Mean No. of Hours with Temperature						Total
	≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
1182							93
1182			93.0	93.0	88.0	32.1	93
1182			98.4	5.8			93
1182		.2	1.3				93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Pt.															
12/111																				.2	2		2																
10/109																				.6	7		7																
08/107																				.4	4		4																
06/105																				1.0	11		11																
04/103																		.1	.4	.4	14		14																
02/101																	.1	.3	.9	2.2	39		39																
00/ 99																.1	.7	1.1	2.1	1.9	68		68																
98/ 97																.1	.7	2.1	3.2	2.0	2.1	126		126															
96/ 95										.1	.1	.3	.8	2.2	3.0	3.6	2.4	.9	.9	151		151																	
94/ 93										.8	.8	1.5	2.6	4.0	2.4	1.8	.3	.3	.3	161		161																	
92/ 91										.7	.4	.6	2.5	3.5	2.4	1.7	.8	.2	.2	145		145																	
90/ 89										.4	.4	1.8	1.9	2.5	1.8	.7	.4	.1	.1	113		113																	
88/ 87										.3	.8	.9	1.3	1.4	1.5	1.2	.3			87		87																	
86/ 85								.1	.8	1.1	1.6	1.1	.9	.6	.1	.2				73		73																	
84/ 83								.3	.4	.9	1.3	1.2	.3							50		50																	
82/ 81						.1		.4	.8	.9	.6	.3								35		35																	
80/ 79						.4		.5	1.3	.4	.2	.2								34		34	1																
78/ 77					.2		.2	.5	.1		.2									13		13	2																
76/ 75				.1		.1		.2												4		4	31																
74/ 73					.1															1		1	73																
72/ 71																							154	1															
70/ 69																							266	8															
68/ 67			.1																	1		1	236	27															
66/ 65																							184	36															
64/ 63																							129	29															
62/ 61																							43	70															
60/ 59																							16	101															
58/ 57																							4	108															
56/ 55																								130															
54/ 53																								129															
52/ 51																								116															
50/ 49																								104															
48/ 47																								78															
46/ 45																								78															
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total																					
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-70

JUL

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point										
44/ 43																								45								
42/ 41																								25								
40/ 39																								15								
38/ 37																								15								
36/ 35																								7								
34/ 33																								6								
32/ 31																								1								
30/ 29																								3								
28/ 27																								2								
26/ 25																								1								
TOTAL		.1	.1	.3	.5	.5	3.2	6.1	6.7	8.2	9.8	13.7	15.3	13.5	11.5	10.5		1139						1139								
																		1139						1139								
						</																										

USAFETAC  
FORM  
JUN 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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JUL

PAGE 1 1800-2000

[illegible]

FORM NO. 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

13024 MOPDA AB SPAIN

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[illegible]









## PSYCHROMETRIC SUMMARY

58-70

AUG

PAGE 1 0600-0800

[illegible]



## PSYCHROMETRIC SUMMARY

58-70

PAGE 2 0900-1100

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

416

STAT-ON

STAT ON NAME

PAGE 2 1200-1400

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL DB, WB, Dry Bulb, Wet Bulb, Dew Pt.	TOTAL
40 / 39																			20
38 / 37																			12
36 / 35																			13
34 / 33																			3
TOTAL		.4	.3	1.3	2.3	4.7	6.9	9.4	10.1	12.3	13.9	12.5	10.1	6.4	9.4			1180	1180
																		118C	1180

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 HIKON AB SPAIN

58-70

306

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	61-62	63-64	65-66	67-68	69-70	71-72	73-74	75-76	77-78	79-80	81-82	83-84	85-86	87-88	89-90	91-92	93-94	95-96	97-98	99-100	101-102	103-104	105-106	107-108	109-110	111-112	113-114	115-116	117-118	119-120	121-122	123-124	125-126	127-128	129-130	131-132	133-134	135-136	137-138	139-140	141-142	143-144	145-146	147-148	149-150	151-152	153-154	155-156	157-158	159-160	161-162	163-164	165-166	167-168	169-170	171-172	173-174	175-176	177-178	179-180	181-182	183-184	185-186	187-188	189-190	191-192	193-194	195-196	197-198	199-200	201-202	203-204	205-206	207-208	209-210	211-212	213-214	215-216	217-218	219-220	221-222	223-224	225-226	227-228	229-230	231-232	233-234	235-236	237-238	239-240	241-242	243-244	245-246	247-248	249-250	251-252	253-254	255-256	257-258	259-260	261-262	263-264	265-266	267-268	269-270	271-272	273-274	275-276	277-278	279-280	281-282	283-284	285-286	287-288	289-290	291-292	293-294	295-296	297-298	299-300	301-302	303-304	305-306	307-308	309-310	311-312	313-314	315-316	317-318	319-320	321-322	323-324	325-326	327-328	329-330	331-332	333-334	335-336	337-338	339-340	341-342	343-344	345-346	347-348	349-350	351-352	353-354	355-356	357-358	359-360	361-362	363-364	365-366	367-368	369-370	371-372	373-374	375-376	377-378	379-380	381-382	383-384	385-386	387-388	389-390	391-392	393-394	395-396	397-398	399-400	401-402	403-404	405-406	407-408	409-410	411-412	413-414	415-416	417-418	419-420	421-422	423-424	425-426	427-428	429-430	431-432	433-434	435-436	437-438	439-440	441-442	443-444	445-446	447-448	449-450	451-452	453-454	455-456	457-458	459-460	461-462	463-464	465-466	467-468	469-470	471-472	473-474	475-476	477-478	479-480	481-482	483-484	485-486	487-488	489-490	491-492	493-494	495-496	497-498	499-500	501-502	503-504	505-506	507-508	509-510	511-512	513-514	515-516	517-518	519-520	521-522	523-524	525-526	527-528	529-530	531-532	533-534	535-536	537-538	539-540	541-542	543-544	545-546	547-548	549-550	551-552	553-554	555-556	557-558	559-560	561-562	563-564	565-566	567-568	569-570	571-572	573-574	575-576	577-578	579-580	581-582	583-584	585-586	587-588	589-590	591-592	593-594	595-596	597-598	599-600	601-602	603-604	605-606	607-608	609-610	611-612	613-614	615-616	617-618	619-620	621-622	623-624	625-626	627-628	629-630	631-632	633-634	635-636	637-638	639-640	641-642	643-644	645-646	647-648	649-650	651-652	653-654	655-656	657-658	659-660	661-662	663-664	665-666	667-668	669-670	671-672	673-674	675-676	677-678	679-680	681-682	683-684	685-686	687-688	689-690	691-692	693-694	695-696	697-698	699-700	701-702	703-704	705-706	707-708	709-710	711-712	713-714	715-716	717-718	719-720	721-722	723-724	725-726	727-728	729-730	731-732	733-734	735-736	737-738	739-740	741-742	743-744	745-746	747-748	749-750	751-752	753-754	755-756	757-758	759-760	761-762	763-764	765-766	767-768	769-770	771-772	773-774	775-776	777-778	779-780	781-782	783-784	785-786	787-788	789-790	791-792	793-794	795-796	797-798	799-800	801-802	803-804	805-806	807-808	809-810	811-812	813-814	815-816	817-818	819-820	821-822	823-824	825-826	827-828	829-830	831-832	833-834	835-836	837-838	839-840	841-842	843-844	845-846	847-848	849-850	851-852	853-854	855-856	857-858	859-860	861-862	863-864	865-866	867-868	869-870	871-872	873-874	875-876	877-878	879-880	881-882	883-884	885-886	887-888	889-890	891-892	893-894	895-896	897-898	899-900	901-902	903-904	905-906	907-908	909-910	911-912	913-914	915-916	917-918	919-920	921-922	923-924	925-926	927-928	929-930	931-932	933-934	935-936	937-938	939-940	941-942	943-944	945-946	947-948	949-950	951-952	953-954	955-956	957-958	959-960	961-962	963-964	965-966	967-968	969-970	971-972	973-974	975-976	977-978	979-980	981-982	983-984	985-986	987-988	989-990	991-992	993-994	995-996	997-998	999-1000	1001-1002	1003-1004	1005-1006	1007-1008	1009-1010	1011-1012	1013-1014	1015-1016	1017-1018	1019-1020	1021-1022	1023-1024	1025-1026	1027-1028	1029-1030	1031-1032	1033-1034	1035-1036	1037-1038	1039-1040	1041-1042	1043-1044	1045-1046	1047-1048	1049-1050	1051-1052	1053-1054	1055-1056	1057-1058	1059-1060	1061-1062	1063-1064	1065-1066	1067-1068	1069-1070	1071-1072	1073-1074	1075-1076	1077-1078	1079-1080	1081-1082	1083-1084	1085-1086	1087-1088	1089-1090	1091-1092	1093-1094	1095-1096	1097-1098	1099-1100	1101-1102	1103-1104	1105-1106	1107-1108	1109-1110	1111-1112	1113-1114	1115-1116	1117-1118	1119-1120	1121-1122	1123-1124	1125-1126	1127-1128	1129-1130	1131-1132	1133-1134	1135-1136	1137-1138	1139-1140	1141-1142	1143-1144	1145-1146	1147-1148	1149-1150	1151-1152	1153-1154	1155-1156	1157-1158	1159-1160	1161-1162	1163-1164	1165-1166	1167-1168	1169-1170	1171-1172	1173-1174	1175-1176	1177-1178	1179-1180	1181-1182	1183-1184	1185-1186	1187-1188	1189-1190	1191-1192	1193-1194	1195-1196	1197-1198	1199-1200	1201-1202	1203-1204	1205-1206	1207-1208	1209-1210	1211-1212	1213-1214	1215-1216	1217-1218	1219-1220	1221-1222	1223-1224	1225-1226	1227-1228	1229-1230	1231-1232	1233-1234	1235-1236	1237-1238	1239-1240	1241-1242	1243-1244	1245-1246	1247-1248	1249-1250	1251-1252	1253-1254	1255-1256	1257-1258	1259-1260	1261-1262	1263-1264	1265-1266	1267-1268	1269-1270	1271-1272	1273-1274	1275-1276	1277-1278	1279-1280	1281-1282	1283-1284	1285-1286	1287-1288	1289-1290	1291-1292	1293-1294	1295-1296	1297-1298	1299-1300	1301-1302	1303-1304	1305-1306	1307-1308	1309-1310	1311-1312	1313-1314	1315-1316	1317-1318	1319-1320	1321-1322	1323-1324	1325-1326	1327-1328	1329-1330	1331-1332	1333-1334	1335-1336	1337-1338	1339-1340	1341-1342	1343-1344	1345-1346	1347-1348	1349-1350	1351-1352	1353-1354	1355-1356	1357-1358	1359-1360	1361-1362	1363-1364	1365-1366	1367-1368	1369-1370	1371-1372	1373-1374	1375-1376	1377-1378	1379-1380	1381-1382	1383-1384	1385-1386	1387-1388	1389-1390	1391-1392	1393-1394	1395-1396	1397-1398	1399-1400	1401-1402	1403-1404	1405-1406	1407-1408	1409-1410	1411-1412	1413-1414	1415-1416	1417-1418	1419-1420	1421-1422	1423-1424	1425-1426	1427-1428	1429-1430	1431-1432	1433-1434	1435-1436	1437-1438	1439-1440	1441-1442	1443-1444	1445-1446	1447-1448	1449-1450	1451-1452	1453-1454	1455-1456	1457-1458	1459-1460	1461-1462	1463-1464	1465-1466	1467-1468	1469-1470	1471-1472	1473-1474	1475-1476	1477-1478	1479-1480	1481-1482	1483-1484	1485-1486	1487-1488	1489-1490	1491-1492	1493-1494	1495-1496	1497-1498	1499-1500	1501-1502	1503-1504	1505-1506	1507-1508	1509-1510	1511-1512	1513-1514	1515-1516	1517-1518	1519-1520	1521-1522	1523-1524	1525-1526	1527-1528	1529-1530	1531-1532	1533-1534	1535-1536	1537-1538	1539-1540	1541-1542	1543-1544	1545-1546	1547-1548	1549-1550	1551-1552	1553-1554	1555-1556	1557-1558	1559-1560	1561-1562	1563-1564	1565-1566	1567-1568	1569-1570	1571-1572	1573-1574	1575-1576	1577-1578	1579-1580	1581-1582	1583-1584	1585-1586	1587-1588	1589-1590	1591-1592	1593-1594	1595-1596	1597-1598	1599-1600	1601-1602	1603-1604	1605-1606	1607-1608	1609-1610	1611-1612	1613-1614	1615-1616	1617-1618	1619-1620	1621-1622	1623-1624	1625-1626	1627-1628	1629-1630	1631-1632	1633-1634	1635-1636	1637-1638	1639-1640	1641-1642	1643-1644	1645-1646	1647-1648	1649-1650	1651-1652	1653-1654	1655-1656	1657-1658	1659-1660	1661-1662	1663-1664	1665-1666	1667-1668	1669-1670	1671-1672	1673-1674	1675-1676	1677-1678	1679-1680	1681-1682	1683-1684	1685-1686	1687-1688	1689-1690	1691-1692	1693-1694	1695-1696	1697-1698	1699-1700	1701-1702	1703-1704	1705-1706	1707-1708	1709-1710	1711-1712	1713-1714	1715-1716	1717-1718	1719-1720	1721-1722	1723-1724	1725-1726	1727-1728	1729-1730	1731-1732	1733-1734	1735-1736	1737-1738	1739-1740	1741-1742	1743-1744	1745-1746	1747-1748	1749-1750	1751-1752	1753-1754	1755-1756	1757-1758	1759-1760	1761-1762	1763-1764	1765-1766	1767-1768	1769-1770	1771-1772	1773-1774	1775-1776	1777-1778	1779-1780	1781-1782	1783-1784	1785-1786	1787-1788	1789-1790	1791-1792	1793-1794	1795-1796	1797-1798	1799-1800	1801-1802	1803-1804	1805-1806	1807-1808	1809-1810	1811-1812	1813-1814	1815-1816	1817-1818	1819-1820	1821-1822	1823-1824	1825-1826	1827-1828	1829-1830	1831-1832	1833-1834	1835-1836	1837-1838	1839-1840	1841-1842	1843-1844	1845-1846	1847-1848	1849-1850	1851-1852	1853-1854	1855-1856	1857-1858	1859-1860	1861-1862	1863-1864	1865-1866	1867-1868	1869-1870	1871-1872	1873-1874	1875-1876	1877-1878	1879-1880	1881-1882	1883-1884	1885-1886	1887-1888	1889-1890	1891-1892	1893-1894	1895-1896	1897-1898	1899-1900	1901-1902	1903-1904	1905-1906	1907-1908	1909-1910	1911-1912	1913-1914	1915-1916	1917-1918</



AD-A088 961

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/6 4/2  
MORON AB, MORON, SPAIN. REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)  
MAY 72

UNCLASSIFIED USAFETAC/DS-80/087

ML

5

10-10

10-10

END  
PAGE  
10-10  
DTC

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

YEARS

44

PAGE 2 1500-1700  
HOURS 1500-1700

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

YEARS

$$M_{\text{eff}} = M \left( 1 - \frac{1}{2} \frac{v^2}{c^2} \right)$$

PAGE 1 1800-2000

HOUS 5

[illegible]

## PSYCHROMETRIC SUMMARY

58-70

AUC

PAGE 2 1800-2000

HOURS (L, S, )

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 MURON AB SPAIN

58-69

AUG

STATION STATION NAME

YEARS

MONTH

PAGE 1 2100-2300

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
96/ 95																.1		1													1	1			
92/ 91																	.1	2													2	2			
90/ 89														.1			.2	3													3	3			
88/ 87														.2	.4		.2	16													16	16			
86/ 85					.1		.2	.3	.3	.2	.4	.6	.4	.1	.2			30													30	30			
84/ 83					.2	.8	1.0	1.3	.5	.6								49													49	49			
82/ 81				.1	.1	.4	1.4	2.2	1.3	2.0	1.0	.6						102													102	102			
80/ 79				.1		1.3	2.7	3.1	3.1	1.3	.7	.2	.1					141													141	141			
78/ 77			.2	.3	.9	2.8	2.5	3.1	1.9	.9	.2	.1						143													143	143			
76/ 75			.3	1.0	2.2	2.9	4.1	2.5	2.2	.1	.1							172													2	1			
74/ 73			.4	1.0	2.0	2.5	2.5	1.4	.7	.2	.1							121													5	2			
72/ 71			.3	2.4	2.6	2.8	1.7	.8	.3	.1								122													24	3			
70/ 69			.8	2.7	3.6	1.7	.8	.4	.1	.2								114													89	6			
68/ 67	.1	.9	1.5	1.5	.7	.1	.1											59													147	29			
66/ 65	.4	.5	1.4	.5	.1													34													227	38			
64/ 63		.3	.4	.1														8													242	118			
62/ 61					.1													1													204	125			
60/ 59																															126	154			
58/ 57																															34	137			
56/ 55																															8	156			
54/ 53																															4	109			
52/ 51																															1	77			
50/ 49																																52			
48/ 47																																43			
46/ 45																																26			
44/ 43																																7			
42/ 41																																6			
40/ 39																																8			
38/ 37																																5			
36/ 35																																10			
34/ 33																																2			
TOTAL	.5	3.7	10.9	13.6	15.4	16.2	14.6	11.0	6.2	3.2	2.3	1.0	.3	.7	.3	.1		1114													1116	1114			
																		1114														1114			
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature											Total														
Rel. Hum.	3497479	60279		94.1		14.967		1114		$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total													
Dry Bulb	6411148	84981		75.6		9.279		1114						89.4		68.0		22.9		91		93													
Wet Bulb	4385006	71362		64.1		8.496		1114						22.4		.7						93													
Dew Point	3632298	63230		56.8		6.244		1114						3.4		.3						93													

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**58-69**

SFP

STATION	STATION NAME
---------	--------------

YEARS

PAGE 1 0300-0500

HOUS 11 5

[illegible]

## PSYCHROMETRIC SUMMARY

SE 7

YEARS

HOURS L. S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

58-70

SEP

PAGE 1 0900-1100

HOURS 11.50. ✓

[illegible]

**USAFETAC**  
FORM  
JUL 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-70

SEP

STATION	STATION NAME
---------	--------------

YEARS

PAGE 2 0900-1100

HOURS L, S, T.

[illegible]











## PSYCHROMETRIC SUMMARY

S f P

MONTH

PAGE 2 1800-2000  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
32/ 31																						1															
30/ 29																						1															
28/ 27																						2															
26/ 25																						4															
24/ 23																						1															
TOTAL	.1	.7	3.2	5.5	10.1	12.0	12.0	10.9	10.9	8.3	8.3	6.9	4.5	3.7	1.7	.6	.5	1082	1082	1082	1082																
																		1082		1082																	





## PSYCHROMETRIC SUMMARY

58-70

ACT

HOURS L.S.T.

[illegible]

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



## PSYCHROMETRIC SUMMARY

58-70

— — — — —

## PSYCHROMETRIC SUMMARY

DCT

YEARS

HOURS	U	S	T
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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
86/ 85									.2			.1						3	3													
84/ 83									.1	.1	.2	.3		.2				9	9													
82/ 81								.1	.4	.6	.3	.1						18	18													
80/ 79								.3	.6	.5	.7	.3	.3					32	32													
78/ 77						.1	.7	.3	1.7	.7	.3	.1						45	45													
76/ 75					.1	.5	1.3	1.3	.8	.8								57	57													
74/ 73				.1	.7	.7	2.1	1.8	.8	.3	.2							78	78													
72/ 71				.4	2.6	2.4	2.1	.6	.8	.1								107	107													
70/ 69			.6	2.7	3.0	2.1	1.6	1.4	.3									138	138	3												
68/ 67		.1	1.8	3.5	1.8	2.0	.8	.6	.3									128	128	15												
66/ 65		.4	3.7	3.3	2.6	1.4	1.0	.4	.2									153	153	63	4											
64/ 63		1.0	3.5	3.2	2.4	1.5	.8	.3	.2									152	152	154	21											
62/ 61	.1	1.4	2.4	1.9	1.3	.9	.3		.2									100	100	239	67											
60/ 59	.4	1.5	.8	1.3	.6	.8			.2									67	67	224	130											
58/ 57	.3	.6	.6	1.0	.8	.4	.1	.3										47	47	180	173											
56/ 55	.2	.3	.3	.4	.3	.1	.1											19	19	111	156											
54/ 53	.1	.3	.1	.3	.3	.3	.3											17	17	77	124											
52/ 51			.3	.3			.1											8	8	54	111											
50/ 49		.1		.2	.1													4	4	29	110											
48/ 47																				12	78											
46/ 45																				12	54											
44/ 43																				6	63											
42/ 41																				5	37											
40/ 39																					16											
38/ 37																					14											
36/ 35																					6											
34/ 33																					2											
32/ 31																					4											
30/ 29																					3											
28/ 27																					3											
26/ 25																					5											
24/ 23																					3											
ROYAL	1.0	5.7	14.1	18.4	16.4	13.3	11.7	7.4	6.5	3.2</																						



## PSYCHROMETRIC SUMMARY

ECT

YEARS

Model	RS	S	$\chi^2$
Model 1	0.00	0.00	0.00
Model 2	0.00	0.00	0.00
Model 3	0.00	0.00	0.00
Model 4	0.00	0.00	0.00
Model 5	0.00	0.00	0.00
Model 6	0.00	0.00	0.00
Model 7	0.00	0.00	0.00
Model 8	0.00	0.00	0.00
Model 9	0.00	0.00	0.00
Model 10	0.00	0.00	0.00
Model 11	0.00	0.00	0.00
Model 12	0.00	0.00	0.00
Model 13	0.00	0.00	0.00
Model 14	0.00	0.00	0.00
Model 15	0.00	0.00	0.00
Model 16	0.00	0.00	0.00
Model 17	0.00	0.00	0.00
Model 18	0.00	0.00	0.00
Model 19	0.00	0.00	0.00
Model 20	0.00	0.00	0.00
Model 21	0.00	0.00	0.00
Model 22	0.00	0.00	0.00
Model 23	0.00	0.00	0.00
Model 24	0.00	0.00	0.00
Model 25	0.00	0.00	0.00
Model 26	0.00	0.00	0.00
Model 27	0.00	0.00	0.00
Model 28	0.00	0.00	0.00
Model 29	0.00	0.00	0.00
Model 30	0.00	0.00	0.00
Model 31	0.00	0.00	0.00
Model 32	0.00	0.00	0.00
Model 33	0.00	0.00	0.00
Model 34	0.00	0.00	0.00
Model 35	0.00	0.00	0.00
Model 36	0.00	0.00	0.00
Model 37	0.00	0.00	0.00
Model 38	0.00	0.00	0.00
Model 39	0.00	0.00	0.00
Model 40	0.00	0.00	0.00
Model 41	0.00	0.00	0.00
Model 42	0.00	0.00	0.00
Model 43	0.00	0.00	0.00
Model 44	0.00	0.00	0.00
Model 45	0.00	0.00	0.00
Model 46	0.00	0.00	0.00
Model 47	0.00	0.00	0.00
Model 48	0.00	0.00	0.00
Model 49	0.00	0.00	0.00
Model 50	0.00	0.00	0.00
Model 51	0.00	0.00	0.00
Model 52	0.00	0.00	0.00
Model 53	0.00	0.00	0.00
Model 54	0.00	0.00	0.00
Model 55	0.00	0.00	0.00
Model 56	0.00	0.00	0.00
Model 57	0.00	0.00	0.00
Model 58	0.00	0.00	0.00
Model 59	0.00	0.00	0.00
Model 60	0.00	0.00	0.00
Model 61	0.00	0.00	0.00
Model 62	0.00	0.00	0.00
Model 63	0.00	0.00	0.00
Model 64	0.00	0.00	0.00
Model 65	0.00	0.00	0.00
Model 66	0.00	0.00	0.00
Model 67	0.00	0.00	0.00
Model 68	0.00	0.00	0.00
Model 69	0.00	0.00	0.00
Model 70	0.00	0.00	0.00
Model 71	0.00	0.00	0.00
Model 72	0.00	0.00	0.00
Model 73	0.00	0.00	0.00
Model 74	0.00	0.00	0.00
Model 75	0.00	0.00	0.00
Model 76	0.00	0.00	0.00
Model 77	0.00	0.00	0.00
Model 78	0.00	0.00	0.00
Model 79	0.00	0.00	0.00
Model 80	0.00	0.00	0.00
Model 81	0.00	0.00	0.00
Model 82	0.00	0.00	0.00
Model 83	0.00	0.00	0.00
Model 84	0.00	0.00	0.00
Model 85	0.00	0.00	0.00
Model 86	0.00	0.00	0.00
Model			

[illegible]

## PSYCHROMETRIC SUMMARY

ECT

STAT CN

STATION NAME

YEARS

PAGE 1 1500-1700

[illegible][illegible]



## PSYCHROMETRIC SUMMARY

58-70

PAGE 2 1500-1700

[illegible]

## PSYCHROMETRIC SUMMARY

58-70

STATION	STATION NAME
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VE ARC

CT  
MES-

PAGE 1 1800-2000

10165

[illegible]

## PSYCHROMETRIC SUMMARY

58-70

PAGE 2 1800-2000

[illegible]

USAFETAC  
FORM 1  
JUL 64  
0-26-5 (OL A)  
REVISED PER PREVIOUS EDITIONS UP THIS FORM AND CANCELLER



## PSYCHROMETRIC SUMMARY

PAGE 1 0000-0200

[illegible]

## PSYCHROMETRIC SUMMARY

58-69

2.16

STATION

STATION NAME

YEARS

PAGE 1 0300-0500

HOURS: 1 5 7

[illegible]







## PSYCHROMETRIC SUMMARY

NJV

STATION

STATION NAME

Y. A. G.

No. 5' 4"

PAGE 1 1200-1400

NO. 85. S. 1.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-	26-	27-	28-29	30-	31-	D.B. w.B.	Dry Bulb	Wet Bulb	Dew Point									
84/ 83															.4					5	5											
82/ 81															.4					5	5											
80/ 79											.1	.2	.1							4	4											
78/ 77							.3	.1	.1	.1	.2	.2	.1							11	11											
76/ 75					.1	.1	.3	.4	.3	.1										15	15											
74/ 73				.1	.3	.4	.4	.2	.7	.2										25	25											
72/ 71				.2	.5	.8	.5	.6	.6											37	37											
70/ 69			.7	.4	.7	1.8	1.9	1.1	.3											80	80											
68/ 67		.4	.4	1.1	2.5	2.2	1.9	.7	.4											108	108	6										
66/ 65		.4	1.5	1.1	2.3	2.3	.9	.4	.1											100	100	21	6									
64/ 63		.7	1.5	2.5	3.0	2.2	1.1	.7												132	132	25	15									
62/ 61	.1	1.1	2.1	4.9	4.0	2.0	.8	.2												173	173	80	20									
60/ 59		1.7	2.7	4.6	3.6	1.5	.6	.4												171	171	122	35									
58/ 57	.1	1.1	2.4	2.9	1.8	1.3	1.0	.1												120	120	180	57									
56/ 55	.2	1.0	2.6	1.2	1.4	.5	.4													83	83	224	91									
54/ 53	.4	1.3	.6	.6	.9	.3														46	46	182	114									
52/ 51	.1	.3		.1	.6	.1														13	13	140	144									
50/ 49		.1	.1		.2															4	4	61	182									
48/ 47		.1			.2															3	3	53	125									
46/ 45				.1																1	1	26	107									
44/ 43																						10	47									
42/ 41																						4	48									
40/ 39																						2	41									
38/ 37																							24									
36/ 35																							35									
34/ 33																							14									
32/ 31																							15									
30/ 29																							11									
28/ 27																							2									
26/ 25																							1									
TOTAL	.8	8.0	14.6	19.7	21.9	15.3	9.7	4.8	2.6	.5	.3	.4	.3	1.0						1136	1136	1136	1136									
Element (X)	Σx²		Σx		x̄		s²		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.	4808671		71579		63.0		16.222		1136		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total									
Dry Bulb	4506316		71238		62.7		9.863		1136						25.0		5.1		.9				90									
Wet Bulb	3483491		62693		55.2		4.562		1136						.5								90									
Dew Point	2776836		53996		48.9		7.009		1136						2.3								90									

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 MURON AB SPAIN  
STATION STATION NAME

58-70  
YEARS

N:JV  
MONTH

PAGE 1 1500-1700  
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
84/ 83												.1							1	1															
82/ 81												.1			.3	.1			5	5															
80/ 79										.1	.1				.1				3	3															
78/ 77									.4	.1	.3	.2							10	10															
76/ 75								.7	.2	.5	.1	.1							18	18															
74/ 73					.1	.4	.6	.5	.5	.2									25	25															
72/ 71			.1	.4	.5	.9	.5	1.0	.4	.3									43	43															
70/ 69			.8	.4	.6	1.4	2.0	.5	.6	.4	.1								75	75															
68/ 67		.3	.4	.8	1.5	2.2	1.6	.8	.4										87	87	5	1													
66/ 65		.4	.6	1.6	1.8	3.2	1.1	.5	.6										109	109	18	6													
64/ 63		1.5	1.7	2.5	3.2	2.4	1.5	.9											151	151	27	10													
62/ 61		1.3	2.0	3.2	4.2	2.3	.7	.5	.2										157	157	79	19													
60/ 59		1.2	2.5	3.3	3.5	1.5	.5	.3											162	162	113	36													
58/ 57		2.4	2.3	2.1	1.5	1.0	1.0	.1											114	114	176	57													
56/ 55	.2	2.0	2.1	.8	1.2	1.2	.2												84	84	208	94													
54/ 53		1.3	.8	.2	.2	.7	.1												36	36	192	109													
52/ 51		.5	.4	.1	.4	.4													18	18	137	152													
50/ 49																					62	124													
48/ 47					.1	.1													2	2	37	148													
46/ 45																					32	94													
44/ 43				.1															1	1	12	59													
42/ 41																						48													
40/ 39																					2	37													
38/ 37																					1	25													
36/ 35																						23													
34/ 33																						28													
32/ 31																						16													
30/ 29																						6													
28/ 27																						5													
26/ 25																						3													
24/ 23																						1													
TOTAL	.2	10.6	12.6	17.4	18.7	17.5	9.8	6.3	2.8	1.5	.6	.4			.4	.1			1101	1101		1101													
																			1101		1101														
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	4628776		68872		62.6		17.070		1101		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	4374478		69112		62.8		5.734		1101						21.8		5.1		.6				90												
Wet Bulb	3369344		60704		55.1		4.533		1101														90												
Dew Point	2672034		33656		48.7		7.209		1101				2.5		.1								90												

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NIV

STATION	STATION NAME
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YEARS

MONTH

FOUR L.S.T.

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13024 MORRIS AB SPAIN

58-69

NOV

STATION STATION NAME

YEARS

MONTH

PAGE 1 2100-2300

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po														
70/ 69					.2			.1										3	3																
68/ 67		.2	.1		.1	.1												5	5																
66/ 65		.6	.1	.3	.2	.3	.3											19	19	6	5														
64/ 63	.1	.7	.2	.5	.1	.2												19	19	14	6														
62/ 61	.5	1.9	1.4	.7	.5	.3	.1	.1										59	59	12	14														
60/ 59	1.0	5.5	2.2	.7	.6	.1	.1											111	111	50	29														
58/ 57		4.9	2.0	1.4	.5		.3											98	98	86	50														
56/ 55	.9	5.3	4.8	1.6	.9	.3	.2											151	151	108	81														
54/ 53	.3	6.7	5.0	2.1	.4	.3			.1									160	160	109	82														
52/ 51	.3	7.3	4.3	.7	.4	.5												145	145	152	106														
50/ 49	.6	4.5	3.4	.2	.4		.1											99	99	154	145														
48/ 47	.7	4.4	2.1	.2														80	80	145	123														
46/ 45	.5	2.6	1.7	.3														54	54	97	141														
44/ 43	.2	1.5	.7	.5														31	31	61	92														
42/ 41		.6	1.2	.1														20	20	27	69														
40/ 39		.1	1.1															13	13	20	38														
38/ 37			.9															10	10	15	19														
36/ 35		.2	.1															3	3	11	17														
34/ 33																				13	15														
32/ 31																					21														
30/ 29																					24														
28/ 27																					1														
18/ 17																					1														
14/ 13																					1														
TOTAL	5.0	6.9	5.1	4.3	4.2	1.9	1.0	.2	.1									1080	1080	1080	1080														
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ														
Rel. Hum.	7447707		88711		82.1		12.2		215		1080		1080		1080		1080		1080		1080														
Dry Bulb	3109353		37609		53.3		5.807		1080		1080		1080		1080		1080		1080		1080														
Wet Bulb	2782741		34437		50.4		5.843		1080		1080		1080		1080		1080		1080		1080														
Dew Point	2516444		31356		47.7		7.139		1080		1080		1080		1080		1080		1080		1080														
Mean No. of Hours with Temperature																																			
≤ 0 F    ≤ 32 F    ≥ 67 F    ≥ 73 F    ≥ 80 F    ≥ 93 F    Total																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-69

DEC

STATION

STATION NAME

YEARS

MS'2

PAGE 1

0000-0200

MO: RS 1 5 T

[illegible]

## PSYCHROMETRIC SUMMARY

58-69

DEC

PAGE 1 C300-0500

**COURSES**

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

58-70

DEC

PAGE 1 0600-0800

40 RES. 51

[illegible]

## PSYCHROMETRIC SUMMARY

**58-70**

DEC

PAGE 1 0900-1100

HOURS 11-5-7

[illegible]

0-26-5 (OL A)

**USAFETAC**







## PSYCHROMETRIC SUMMARY

58-70

DEC

STATION

STATION NAME

YEARS

PAGE 1 1800-2000

HOURS: 4. S. T.

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13024 MURON AB SPAIN

58-70

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	46.6	47.3	50.4	52.9	58.9	64.4	69.4	70.9	67.2	59.9	51.5	46.0	57.1											
	S D	7.239	6.227	5.733	5.001	5.349	5.353	4.561	4.519	5.372	5.078	6.128	7.124	10.474											
	TOTAL OBS	1116	1014	1197	1146	1140	1080	1116	1118	1080	1117	1076	1116	13316											
03-05	MEAN	45.2	45.7	48.3	50.6	56.0	61.6	65.8	67.1	64.0	57.8	49.9	44.5	54.7											
	S D	7.799	6.724	6.226	5.235	5.448	5.214	4.605	4.696	5.433	5.350	6.380	7.690	10.019											
	TOTAL OBS	1116	1016	1197	1146	1140	1080	1116	1116	1080	1117	1077	1116	13317											
06-08	MEAN	44.3	44.9	48.2	52.1	59.4	65.5	69.5	69.2	64.8	57.7	49.4	43.7	55.7											
	S D	8.159	7.100	6.215	5.527	6.174	6.071	5.832	5.568	5.931	5.795	6.211	7.949	11.431											
	TOTAL OBS	1128	1038	1197	1149	1165	1124	1128	1140	1101	1127	1101	1129	13968											
09-11	MEAN	49.8	52.0	56.6	61.8	70.1	75.7	81.6	81.7	76.2	67.3	56.6	49.4	65.0											
	S D	6.658	5.941	5.486	5.881	7.479	7.533	6.140	6.253	7.030	6.454	6.247	6.648	13.321											
	TOTAL OBS	1179	1078	1197	1149	1176	1146	1182	1183	1143	1184	1128	1183	13938											
12-14	MEAN	56.9	58.8	62.5	67.4	76.3	82.5	89.8	90.1	83.7	73.9	62.7	56.1	71.4											
	S D	4.929	5.364	5.990	6.798	8.763	8.628	6.120	6.366	7.723	7.068	5.863	5.099	13.869											
	TOTAL OBS	1179	1080	1197	1148	1176	1146	1182	1180	1143	1182	1126	1177	13926											
15-17	MEAN	58.0	59.8	63.5	68.5	77.7	84.2	92.1	92.5	85.0	74.6	62.8	56.7	73.0											
	S D	4.725	5.897	6.457	7.440	9.127	8.882	6.221	6.593	7.979	7.682	5.734	5.090	14.448											
	TOTAL OBS	1127	1034	1183	1103	1137	1105	1139	1142	1105	1146	1101	1142	13474											
18-20	MEAN	52.2	54.4	58.4	63.2	71.8	78.4	85.5	85.7	78.3	68.2	56.9	51.1	67.0											
	S D	5.415	5.593	5.984	7.003	8.376	8.719	7.085	7.380	7.830	6.648	5.321	5.726	14.020											
	TOTAL OBS	1116	1014	1178	1080	1116	1080	1116	1117	1082	1117	1080	1117	13213											
21-23	MEAN	48.6	49.8	53.0	56.5	63.3	68.8	74.5	75.6	70.9	62.9	53.3	47.7	60.4											
	S D	6.390	5.636	5.344	5.025	6.048	6.249	5.342	5.279	5.816	5.324	5.807	6.776	11.396											
	TOTAL OBS	1116	1014	1176	1080	1115	1080	1116	1116	1080	1116	1080	1116	13209											
ALL HOURS	MEAN	50.2	51.7	55.1	59.1	66.7	72.7	78.6	79.2	73.9	65.4	55.4	49.5	63.2											
	S D	8.096	8.096	8.229	8.961	10.676	10.886	11.081	10.902	10.255	8.914	7.858	8.060	14.182											
	TOTAL OBS	9097	8288	9222	9001	9165	8841	9105	9112	8814	9117	8789	9106	107957											

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13024 MIJON AB SPAIN

58-70

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	43.0	43.3	47.8	50.0	54.5	58.9	61.8	62.2	60.3	55.5	49.2	44.3	52.9											
	S D	7.176	6.237	5.419	4.712	4.290	3.674	3.875	3.785	4.416	5.230	6.201	7.111	8.378											
	TOTAL OBS	1116	1014	1197	1146	1140	1080	1116	1118	1080	1117	1076	1116	13316											
03-05	MEAN	43.8	43.9	46.2	48.3	52.5	57.2	59.6	59.9	58.3	54.1	47.9	43.1	51.2											
	S D	7.611	6.705	5.913	5.108	4.747	3.986	4.218	4.355	4.910	5.586	6.573	7.541	8.427											
	TOTAL OBS	1116	1016	1197	1146	1140	1080	1116	1112	1079	1117	1077	1116	13312											
06-08	MEAN	42.9	43.3	46.1	49.3	54.5	59.2	61.4	60.9	58.7	53.9	47.4	42.3	51.7											
	S D	7.916	7.074	5.940	5.118	4.569	3.752	4.254	4.387	4.836	5.764	6.730	7.797	9.098											
	TOTAL OBS	1138	1038	1197	1149	1165	1124	1138	1137	1101	1138	1101	1139	13565											
09-11	MEAN	47.0	48.4	51.3	54.5	59.0	62.9	65.8	65.8	63.6	58.8	52.2	46.5	56.4											
	S D	6.409	5.669	4.412	4.177	4.038	3.271	3.247	3.222	3.593	4.584	5.503	6.368	8.382											
	TOTAL OBS	1179	1078	1197	1149	1176	1146	1182	1183	1143	1184	1138	1183	13938											
12-14	MEAN	51.3	52.0	53.9	56.4	60.9	64.6	67.6	67.5	65.2	60.8	55.2	50.4	58.8											
	S D	4.872	4.929	4.294	4.221	4.185	3.538	3.344	3.385	3.518	4.143	4.562	4.975	7.437											
	TOTAL OBS	1179	1080	1197	1148	1176	1146	1182	1180	1143	1182	1136	1177	13926											
15-17	MEAN	51.9	52.4	54.2	56.7	61.2	65.1	68.0	67.7	65.4	60.9	55.1	50.9	59.2											
	S D	4.683	4.989	4.274	4.161	4.198	3.719	3.468	3.420	3.698	4.055	4.533	4.937	7.414											
	TOTAL OBS	1137	1034	1183	1103	1137	1105	1139	1142	1105	1146	1101	1142	13474											
18-20	MEAN	49.0	50.0	52.3	55.1	60.0	63.9	66.8	66.5	64.0	59.2	52.6	48.0	57.3											
	S D	5.638	5.252	4.399	4.275	4.212	3.808	3.549	3.548	3.862	4.457	5.154	5.861	8.089											
	TOTAL OBS	1116	1014	1178	1080	1116	1080	1116	1117	1082	1117	1080	1117	13213											
21-23	MEAN	46.4	47.2	49.6	52.3	56.9	60.9	63.9	64.1	62.0	57.1	50.4	45.7	54.7											
	S D	6.445	5.801	4.886	4.160	4.011	3.573	3.500	3.496	3.941	4.985	5.843	6.716	8.271											
	TOTAL OBS	1116	1014	1176	1080	1113	1080	1116	1114	1080	1116	1080	1116	13201											
ALL HOURS	MEAN	47.2	47.8	50.2	52.8	57.4	61.6	64.4	64.3	62.2	57.6	51.3	46.4	55.3											
	S D	7.147	6.726	5.854	5.482	5.286	4.592	4.723	4.673	4.896	5.554	6.382	7.143	8.708											
	TOTAL OBS	9097	8288	9522	9001	9183	8841	9109	9103	8813	9117	8789	9106	107945											

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13024 MURUN AB SPAIN

58-70

STATION		STATION NAME												YEARS	
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	43.3	43.1	45.2	47.4	51.0	55.1	56.7	56.3	55.6	51.9	47.0	42.4	49.6	
	S D	7.911	7.116	6.589	5.627	5.603	4.650	5.891	6.203	6.181	7.092	7.188	7.906	8.406	
	TOTAL OBS	1116	1014	1197	1146	1140	1080	1116	1118	1080	1117	1076	1116	13316	
03-05	MEAN	42.2	41.9	44.1	46.2	49.5	54.0	55.3	54.8	54.3	51.0	45.9	41.4	48.4	
	S D	8.213	7.472	6.771	5.928	5.849	4.845	6.021	6.332	6.450	7.210	7.429	8.137	8.520	
	TOTAL OBS	1116	1016	1197	1146	1140	1080	1116	1112	1079	1117	1077	1116	13312	
06-08	MEAN	41.3	41.4	43.8	46.9	50.6	55.0	56.0	55.2	54.3	50.9	45.6	40.6	48.5	
	S D	8.426	7.822	6.842	5.912	5.750	4.649	5.871	6.228	6.257	7.214	7.501	8.433	8.850	
	TOTAL OBS	1138	1038	1197	1149	1165	1124	1138	1137	1101	1138	1101	1139	13565	
09-11	MEAN	44.1	44.9	46.5	48.5	50.6	54.6	56.2	55.9	55.4	52.5	48.4	43.4	50.1	
	S D	7.532	7.025	6.374	6.050	6.626	4.969	5.909	6.272	5.789	6.828	6.872	7.494	7.971	
	TOTAL OBS	1179	1078	1197	1149	1176	1146	1182	1183	1143	1184	1138	1183	13928	
12-14	MEAN	46.0	45.7	46.3	47.5	49.5	53.2	54.0	53.5	53.6	51.4	48.9	45.0	49.6	
	S D	7.486	7.488	7.117	6.537	7.234	5.491	6.521	7.266	6.098	7.377	7.009	7.281	7.685	
	TOTAL OBS	1179	1080	1197	1148	1176	1146	1182	1180	1143	1182	1136	1177	13926	
15-17	MEAN	46.1	45.6	46.1	47.2	49.0	53.0	53.3	52.1	53.0	51.0	48.7	45.2	49.2	
	S D	7.649	7.818	7.446	6.667	7.519	6.002	7.247	7.641	6.549	7.804	7.209	7.497	7.876	
	TOTAL OBS	1137	1034	1183	1103	1137	1105	1139	1142	1105	1146	1101	1142	13474	
18-20	MEAN	45.8	45.8	46.9	48.6	51.3	54.8	55.4	54.6	54.9	52.6	48.8	44.9	50.4	
	S D	7.323	7.188	6.941	6.088	7.025	5.553	7.215	7.447	6.674	7.607	6.961	7.296	7.964	
	TOTAL OBS	1116	1014	1178	1080	1116	1080	1116	1117	1082	1117	1080	1117	13213	
21-23	MEAN	44.3	44.5	46.3	48.7	52.1	55.7	57.4	56.8	56.2	52.6	47.7	43.5	50.5	
	S D	7.441	7.049	6.626	5.413	5.836	4.593	5.574	6.244	6.051	7.319	7.159	7.579	8.202	
	TOTAL OBS	1116	1014	1176	1080	1113	1080	1116	1114	1080	1116	1080	1116	13201	
ALL HOURS	MEAN	44.2	44.1	45.6	47.6	50.4	54.4	55.5	54.9	54.6	51.7	47.6	43.3	49.5	
	S D	7.932	7.557	6.927	6.099	6.537	5.191	6.434	6.881	6.337	7.343	7.273	7.875	8.224	
	TOTAL OBS	9097	8288	9322	9001	9163	8841	9105	9103	8813	9117	8789	9106	107945	





## RELATIVE HUMIDITY

STATION

STATION NAME

**PERIOD**

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
FEB.	144.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
MAR.	144.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
APR.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
MAY	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
JUN.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
JUL.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
AUG.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
SEPT.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
OCT.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
NOV.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
DEC.	144.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
TOTALS	1440.0	100.0	100.0	99.7	99.7	99.5	99.3	98.0	61.3	33.4	21.2	9997

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	100
2	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	100
3	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	100
4	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
5	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
6	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
7	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
8	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
9	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
10	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
11	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
12	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100
TOTALS		100.0	100.0	99.7	97.3	94.4	83.1	71.7	52.2	21.7	7.8	320

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-11	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-13	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-14	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-16	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-17	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-19	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-21	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-22	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-24	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-25	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-26	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-27	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-28	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-29	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-31	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTALS		100.0	99.5	97.7	92.5	85.5	74.0	64.1	45.9	17.6	13.6	2522

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6-10	100.0	100.0	100.0	100.0	100.0	99.0	98.0	96.0	92.0	88.0	84.0	80.0
11-15	100.0	100.0	100.0	100.0	99.0	97.0	94.0	90.0	85.0	80.0	75.0	70.0
16-21	100.0	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0
22-31	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0
1-5	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0
6-10	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0
11-15	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0
16-21	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0
22-31	100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0
TOTALS		100.0	99.0	98.0	95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
Jan.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Feb.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mar.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Apr.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
May	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
June	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
July	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Aug.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sept.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Oct.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Nov.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dec.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTALS		94.9	77.6	60.6	47.4	32.4	22.9	19.7	15.3	7.9	61.1	9103



STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS		22.7	24.6	22.2	22.1	41.2	32.	19.1	5.9	1.1	19.2	912

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JAN.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
FEB.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
MAR.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
APR.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
MAY	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
JUN.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
JUL.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
AUG.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
SEPT.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
OCT.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
NOV.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
DEC.	12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11
TOTALS		100.0	99.1	98.7	98.5	98.5	98.1	96.2	93.1	79.1	65.4	9117



## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

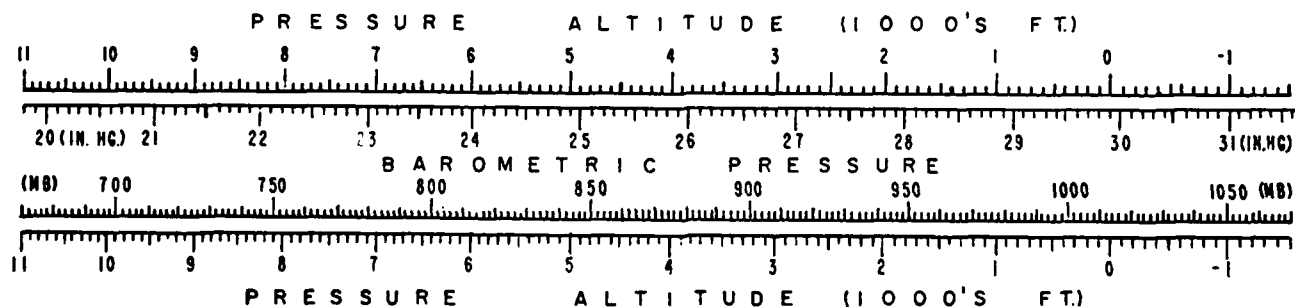
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13024 MURON AB SPAIN

58-63,65-70

STATION	STATION NAME	YEARS	HRS	1	ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	29.79529,77429,73729,70129,68729,69629,68429,66029,69829,71229,69729,770	29,717	S D	.223	.238	.202	.155	.120	.077	.064	.061	.087	.131	.196	.236	.167	
	TOTAL OBS	310	281	337	322	317	300	310	342	330	341	329	341	3860				
03	MEAN	29.78429,75829,71829,68029,66729,68129,67229,64729,68229,69529,68329,759	29,702	S D	.225	.239	.202	.158	.123	.079	.065	.062	.088	.135	.197	.238	.169	
	TOTAL OBS	310	281	337	322	310	299	310	341	330	342	329	341	3860				
06	MEAN	29.77329,74929,71529,67929,67229,68629,67829,65329,68429,69729,67829,751	29,701	S D	.227	.240	.204	.161	.125	.079	.064	.061	.091	.135	.196	.237	.168	
	TOTAL OBS	310	282	337	322	319	300	310	342	328	341	328	341	3860				
09	MEAN	29.80429,78329,74629,70629,69929,71029,69829,67429,71429,73429,71629,780	29,730	S D	.217	.238	.208	.165	.128	.083	.065	.062	.091	.139	.196	.240	.169	
	TOTAL OBS	331	302	337	323	330	322	332	363	330	364	349	363	4068				
12	MEAN	29.80929,78629,74029,69629,68029,69229,68129,65729,69929,72029,71029,779	29,720	S D	.215	.238	.203	.161	.120	.079	.064	.060	.087	.133	.193	.242	.169	
	TOTAL OBS	331	303	337	323	330	322	332	363	331	363	348	362	4065				
15	MEAN	29.77029,74229,69929,68229,64829,65929,64529,61729,65729,68029,67529,741	29,682	S D	.213	.238	.198	.157	.116	.079	.063	.060	.083	.130	.191	.242	.166	
	TOTAL OBS	331	301	337	322	330	323	332	362	331	364	349	361	4063				
18	MEAN	29.77429,73929,69929,64429,63429,63729,62029,59429,64929,68229,67529,745	29,674	S D	.216	.234	.193	.141	.114	.074	.064	.056	.082	.125	.193	.238	.166	
	TOTAL OBS	310	281	330	300	310	300	310	342	329	342	330	341	3825				
21	MEAN	29.79129,76129,72529,67529,66629,66629,65029,62929,68529,70629,69329,763	29,701	S D	.215	.233	.195	.142	.117	.075	.070	.062	.086	.128	.196	.236	.166	
	TOTAL OBS	310	281	330	300	310	300	310	341	329	341	330	341	3823				
ALL HOURS	MEAN	29.78829,76229,72329,68129,66929,67929,66629,64229,68429,70329,69129,761	29,703	S D	.219	.238	.201	.156	.122	.081	.069	.065	.089	.133	.195	.239	.168	
	TOTAL OBS	2543	2312	2682	2536	2566	2466	2796	2698	2798	2692	2791	31624					



END

DATE  
FILMED

10-80

DTIC